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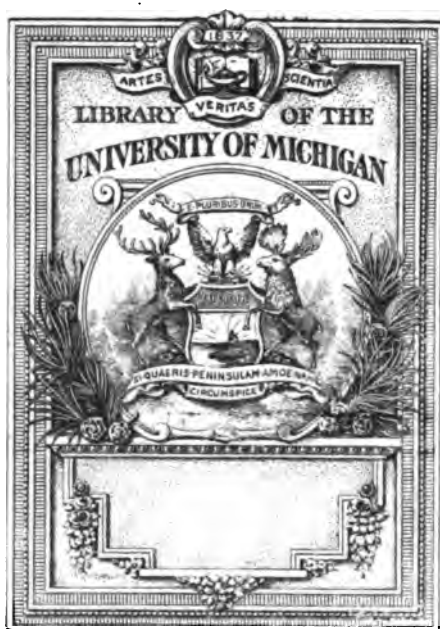
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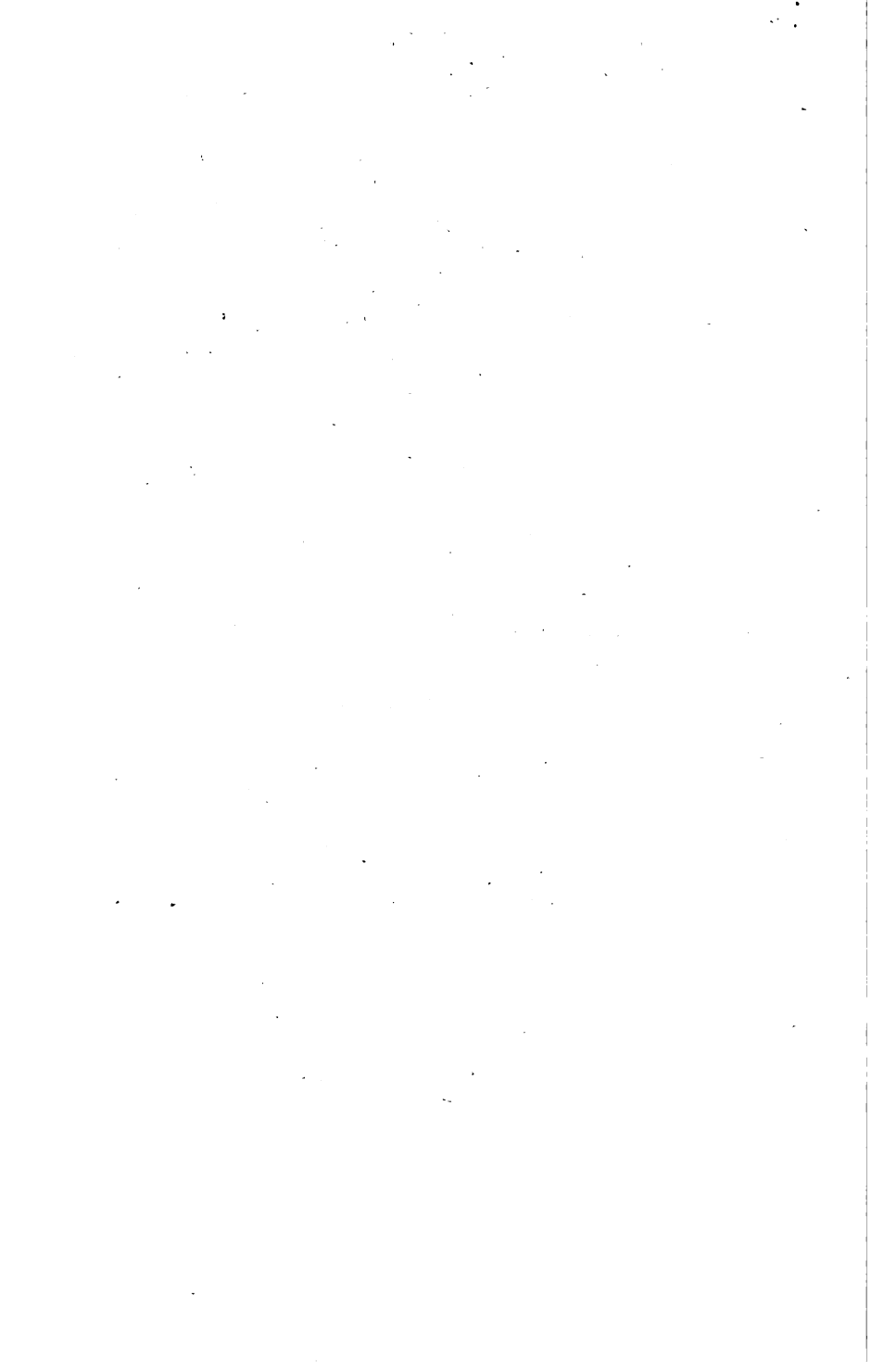
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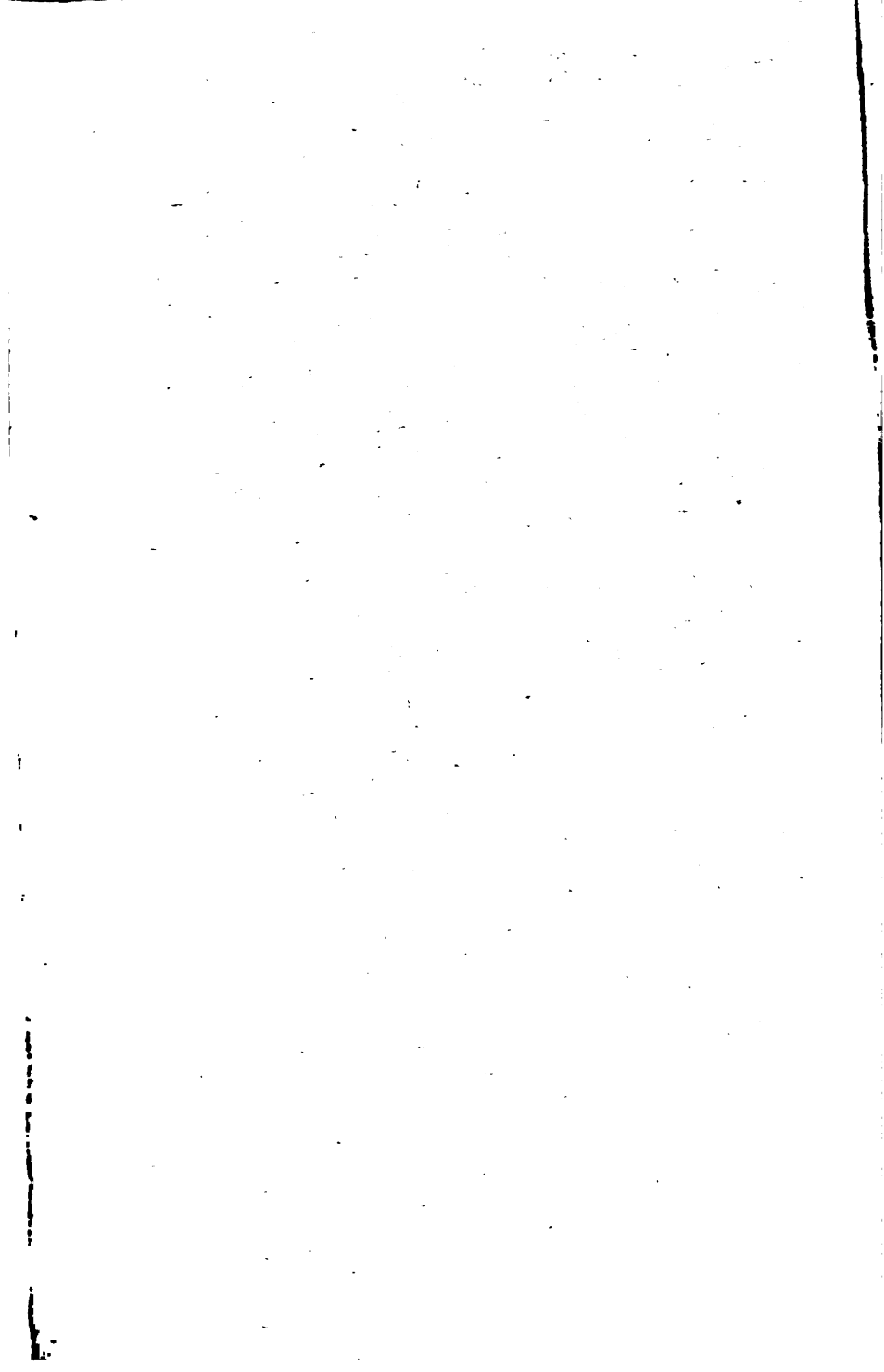
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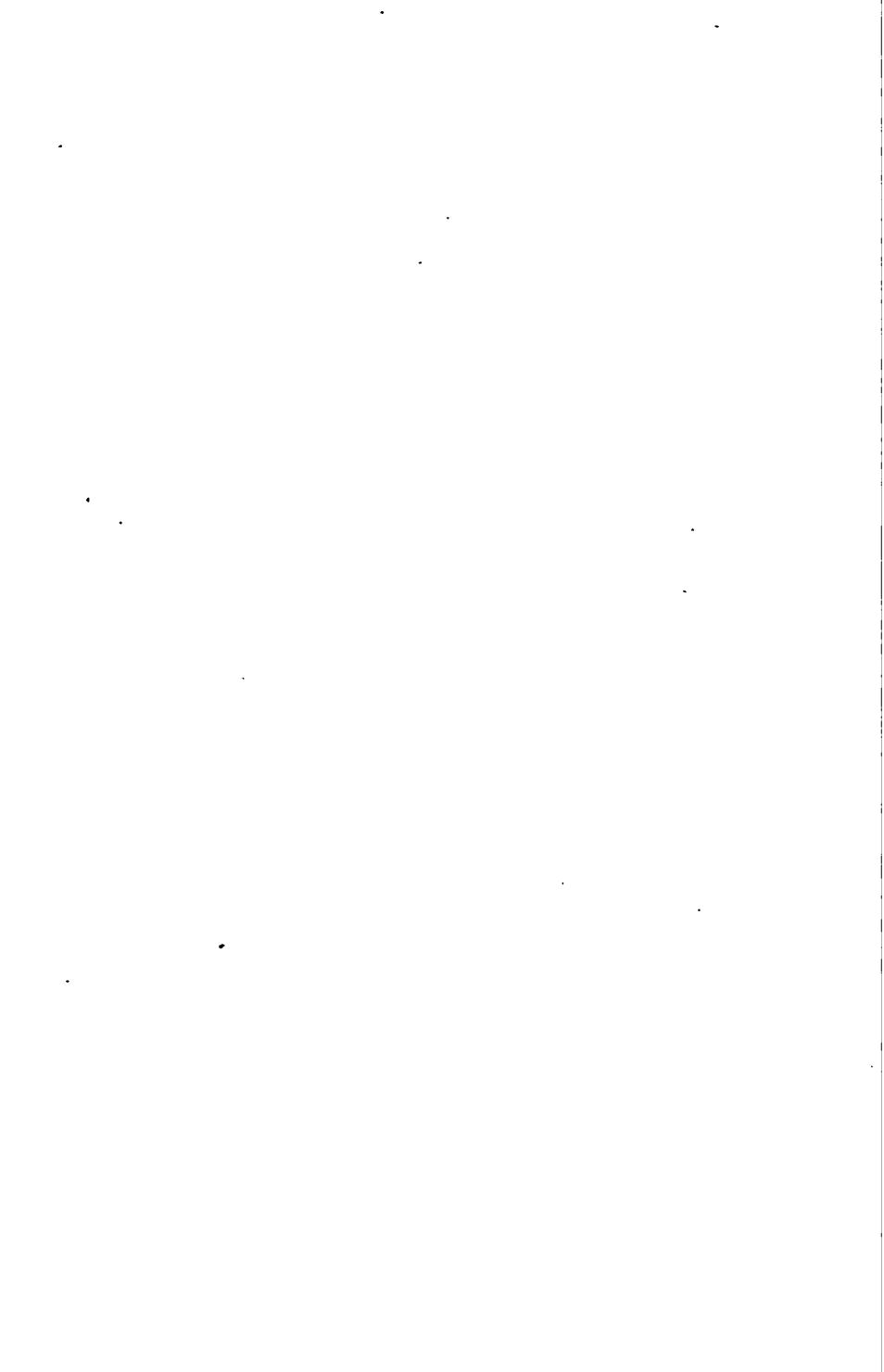


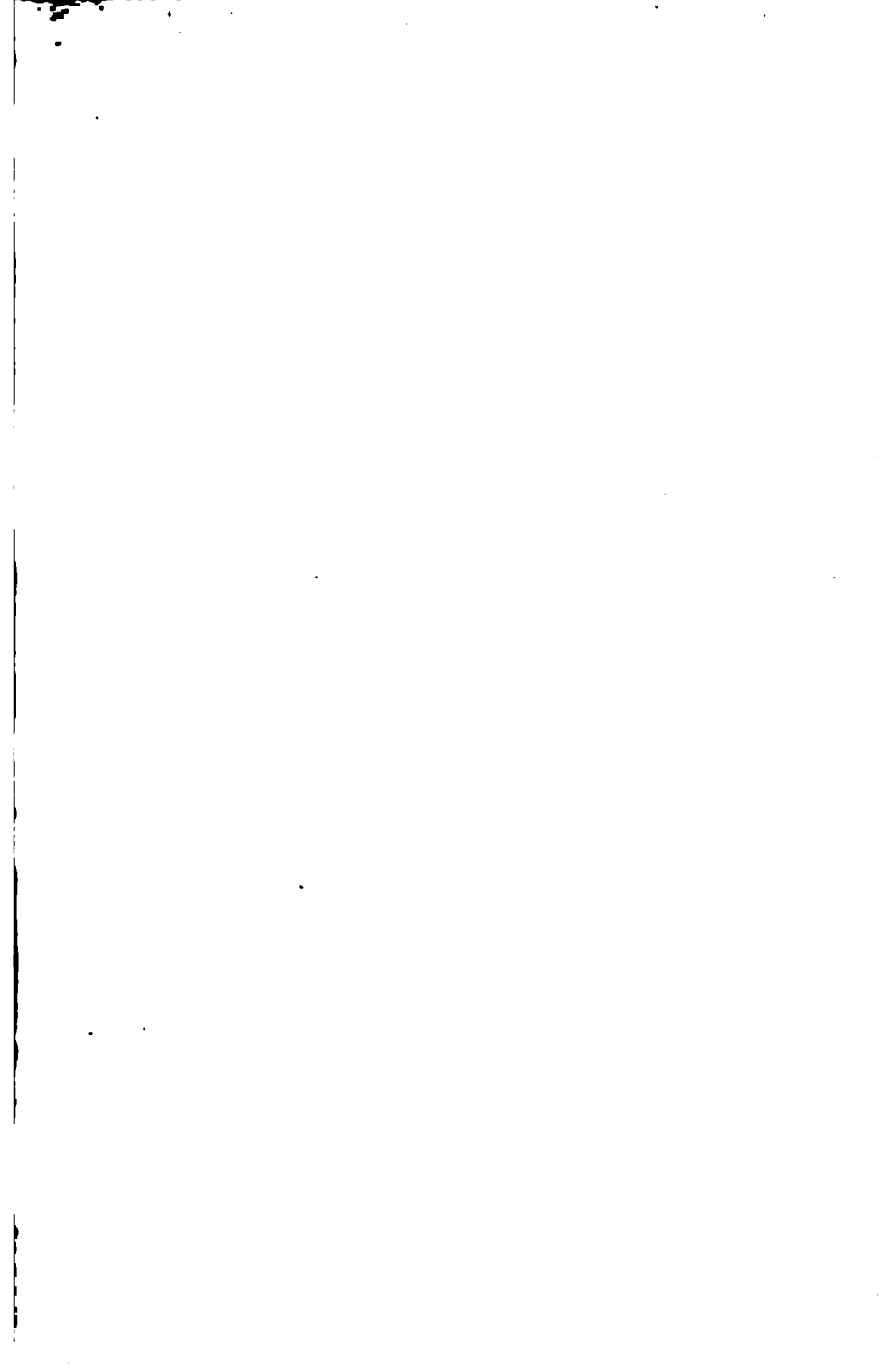
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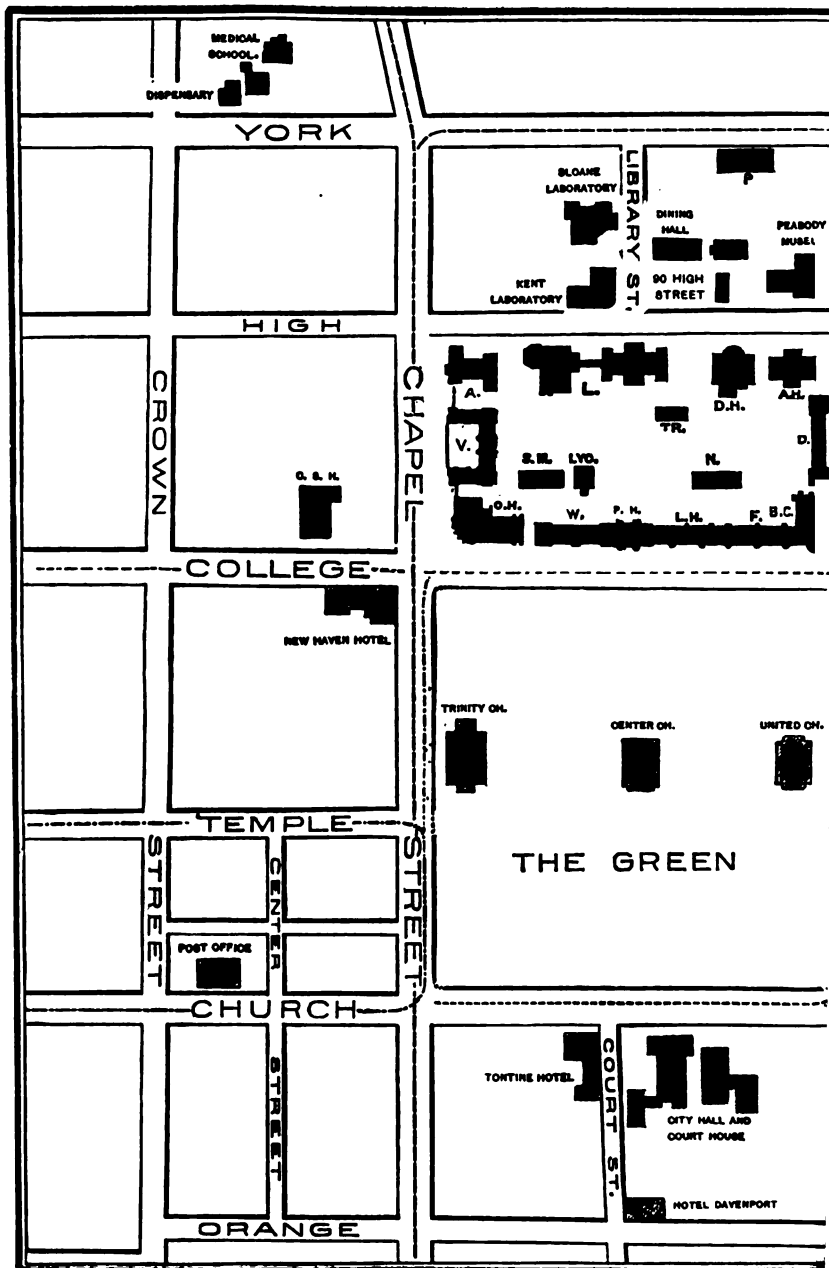




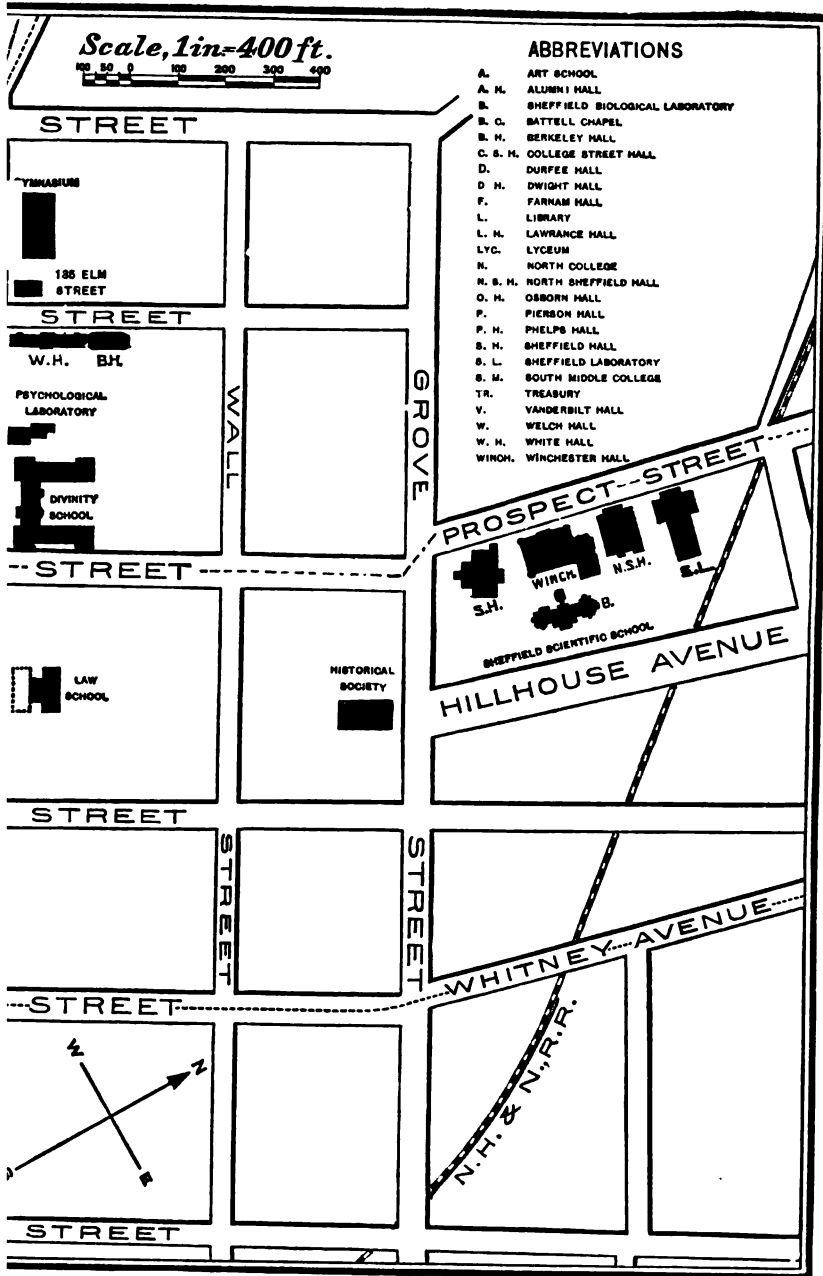




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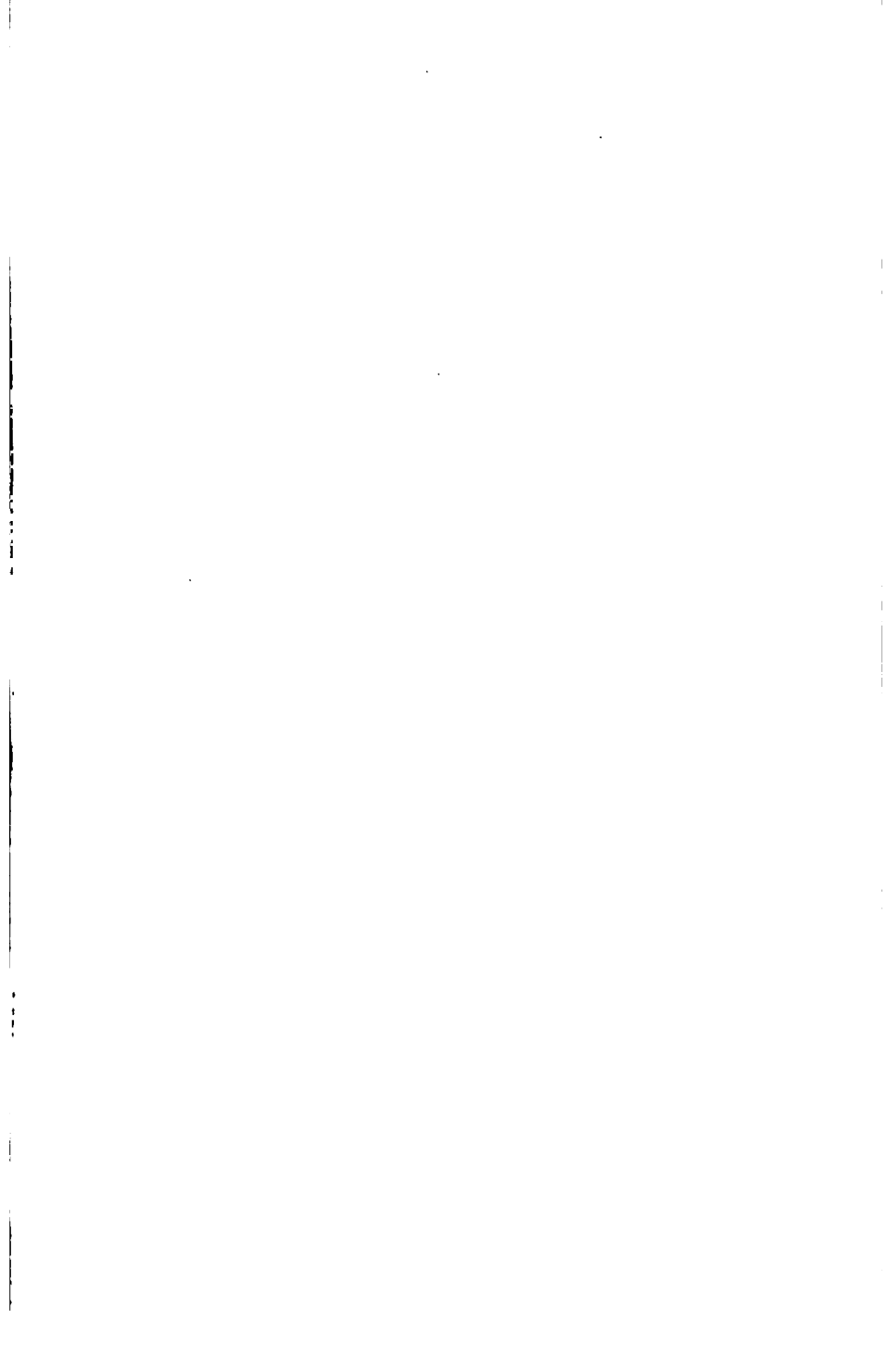
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NEW HAVEN  
THE TUTTLE, MOREHOUSE & TAYLOR PRESS

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## ABBREVIATIONS, OFFICE HOURS, Etc.

A., Absent on leave ; B., Berkeley Hall ; B. L., Sheffield Biological Laboratory ; D., Durfee Hall ; E. D., East Divinity Hall ; F., Farnam Hall ; L., Lawrance Hall ; LYC., Lyceum ; M., Peabody Museum ; N., North College ; N. S. H., North Sheffield Hall ; O., Osborn Hall ; P., Pierson Hall ; S. H., Sheffield Hall ; S. L., Sheffield Chemical Laboratory ; S. M., South Middle College ; TR., Treasury Building ; V., Vanderbilt Hall ; W., Welch Hall ; W. D., West Divinity Hall ; WH., White Hall ; WINCH., Winchester Hall.

The College rooms numbered from 1 to 69 are in Vanderbilt Hall ; from 70 to 96 in South Middle College ; from 97 to 128 in North College ; from 129 to 177 in Farnam Hall ; from 178 to 185 in the Lyceum ; from 201 to 240 in Durfee Hall ; from 241 to 282 in Lawrance Hall ; from 283 to 330 in Welch Hall ; from 331 to 382 in White Hall ; from 383 to 422 in Berkeley Hall ; from 521 to 600 in Pierson Hall.

The rooms in East Divinity Hall are numbered from 1 to 54 ; in West Divinity Hall from 55 to 124. The rooms in Sheffield Hall are numbered from 1 to 21 ; in North Sheffield Hall from 25 to 58 ; in the Sheffield Biological Laboratory from 60 to 79 ; in Winchester Hall from 100 to 135 ; in the Sheffield Chemical Laboratory from 140 to 162

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THE TREASURER'S OFFICE, No. 5 Treasury Building, is open daily, from 9 A. M. to 3 P. M. (from 10 A. M. to 1 P. M. during vacations).

THE DEAN OF THE COLLEGE is at his office, No. 135 Elm st., daily, from 10 A. M. to 12 M.

THE COLLEGE BURSAR'S office, in Phelps Hall, is open daily from 9 A. M. to 3 P. M.

THE DIRECTOR OF THE SHEFFIELD SCIENTIFIC SCHOOL is at No. 3 Sheffield Hall, daily, from 10 A. M. to 12 M.

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A list of the Graduates of the University is published triennially,—the last edition in June, 1898 ; a copy will be supplied to any graduate desiring it, on receipt of the postage (eleven cents) ; copies may be obtained by other persons at cost price, fifty cents, with postage.

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## AUDITOR

WILBUR F. DAY

# CALENDAR

---

## 1899

28 Sept.	Thursday	FIRST TERM begins.
2 Oct.	Monday	School of the Fine Arts, term begins.
29 Nov.	Wednesday	THANKSGIVING RECESS begins, 1.20 P. M.
1 Dec.	Friday	RECESS ends, 8 A. M.
20 Dec.	Wednesday	FIRST TERM ends.

## Winter Vacation

## 1900

9 Jan.	Tuesday	SECOND TERM begins.
5 April	Thursday	Junior Exhibition.
11 April	Wednesday	SPRING RECESS begins, 1.20 P. M.
19 April	Thursday	RECESS ends, 8 A. M.
1 May	Tuesday	John A. Porter Prize Essays due.
7 May	Monday	Berkeley Scholarship Examination.
14 May	Monday	Woolsey Scholarship Examination begins.
14 May	Monday	Winthrop Prize Examination begins.
16 May	Wednesday	Anniversary of the Divinity School.
1 June	Friday	School of the Fine Arts, term ends.
22 June	Friday	DeForest Prize Speaking.
23 June	Saturday	Scientific School Class-Day Exercises.
24 June	Sunday	Baccalaureate Sermon.
25 June	Monday	College Class-Day Exercises.
25 June	Monday	Anniversary of the Law School.
26 June	Tuesday	Anniversary Meeting of the Alumni.
26 June	Tuesday	Anniversary of the Medical School.
27 June	Wednesday	COMMENCEMENT.
28 June	Thursday	Examinations for admission begin.

## Summer Vacation

24 Sept.	Monday	Examinations for admission begin.
27 Sept.	Thursday	FIRST TERM begins.
1 Oct.	Monday	School of the Fine Arts, term begins.
4 Oct.	Thursday	First Term, Medical School, begins.
19 Dec.	Wednesday	FIRST TERM ends.

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## GOVERNMENT OF THE UNIVERSITY

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The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN," or "YALE UNIVERSITY"; the powers of this body have been granted and confirmed in the following order.

THE COLLEGIATE SCHOOL OF CONNECTICUT, subsequently named YALE COLLEGE, and now called YALE UNIVERSITY, was founded by the combined action of a few of the ministers in Connecticut, who obtained in October, 1701, a Charter from the Colony Legislature, which runs as follows:—

### AN ACT FOR LIBERTY TO ERECT A COLLEGIATE SCHOOL.

**W**HEREAS several well disposed, and Publick spirited Persons of their sincere regard to & Zeal for upholding & Propagating of the Christian Protestant Religion by a succession of Learned & Orthodox men have expressed by Petition their earnest desires that full Liberty and Priveledge be granted unto certain Undertakers for the founding, suitably endowing & ordering a Collegiate School within his Maj<sup>ty</sup> Colony of Connecticot wherin Youth may be instructed in the Arts & Sciences who thorough the blessing of Almighty God may be fitted for Publick employment both in Church & Civil State. To the intent therefore that all due incouragement be Given to such Pious Resolutions and that so necessary & Religious an undertakeing may be sett forward, supported and well managed:—

BE IT ENACTED by the Govern<sup>r</sup> & Company of the s<sup>d</sup> Colony of Connecticot in General Court now Assembled, And it is enacted & ordained by the Authority of the same that there be & hereby is full Liberty, Right and Priveledge Granted unto the Reverend M<sup>r</sup>. James Noyes of Stonnington, M<sup>r</sup>. Israel Chauncey of Stratford, M<sup>r</sup>. Thomas Buckingham of Saybrook, M<sup>r</sup>. Abraham Pierson of Kennelworth, M<sup>r</sup>. Samuel Mather of Windsor, M<sup>r</sup>. Samuel Andrew of Milford, M<sup>r</sup>. Timothy Woodbridge of Hartford, M<sup>r</sup>. James Pierpont of New Haven, M<sup>r</sup>. Noadiah Russel of Middletown, M<sup>r</sup>. Joseph Webb of Fairfield, being Rev<sup>d</sup> Ministers of the Gospel & inhabitants within y<sup>e</sup> s<sup>d</sup> Colony,



proposed to stand as Trustees, Partners or Undertakers for the s<sup>d</sup> School, to them and their successors, To ERECT, form, direct, order, establish, improve and att all times in all suitable wayes for the future to encourage the s<sup>d</sup> School in such convenient place or Places, & in such form & manner & under such orders & Rules as to them shall seem meet & most conducive to the afores<sup>d</sup> end thereof, so as such Rules or Orders be not repugnant to the Laws of the Civil Govern<sup>t</sup>, as also to employ the moneys or any other estate which shall be Granted by this Court or otherwise Contributed to that use according to their discretion for the benefit of the s<sup>d</sup> Collegiate School from time to time & att all times henceforward.

And be it further ENACTED by the Authority afores<sup>d</sup> that the before named Trustees, Partners or Undertakers together with such others as they shall associate to themselves (not exceeding the number of Eleven, or att any time being less than Seven. Provided also that Persons nominated or associated from time to time to fill up s<sup>d</sup> number be ministers of the gospel inhabiting within this Colony & above the Age of forty years) or the major Part of them, the s<sup>d</sup> M<sup>r</sup>. James Noyes, [etc.] undertakers, & of such Persons so chosen & associated as aboves<sup>d</sup> att any time hereafter, HAVE and shall have henceforward the oversight, full & compleat Right, Liberty, power & Priveledge to furnish, direct, manage, order, improve & encourage from time to time & in all times hereafter the s<sup>d</sup> Collegiate School so Erected & formed by them in such ways, orders & manner & by such Persons, Rector or Master and officers appointed by them, as shall according to their best discretion be most conducive to attaine the afores<sup>d</sup> mentioned end thereof. . . .

It is also further Enacted by the Authority afores<sup>d</sup> that the s<sup>d</sup> Undertakers & Partners & their successors be & hereby are further empowered to have, accept, acquire, purchase or otherwise lawfully enter upon Any Lands, Tenements & Hereditam<sup>ts</sup> to the use of the s<sup>d</sup> School, not exceeding the value of five hundred Pounds p<sup>r</sup> Anñ, & any Goods, Chattels, Sum or Sums of money whatsoever as have heretofore already been Granted, bestowed, bequeathed or given, or as from time to time shall be freely given, bequeathed, devised or settled by any Person or Persons whatsoever upon & to & for the use of y<sup>e</sup> s<sup>d</sup> School towards the founding, erecting or endowing the same, & to sue for, Recover & receiv all such Gifts, Legacies, bequests, annuities, Rents, issues & profits arising therefrom & to imploy the same accordingly, & out of y<sup>e</sup> estate, Revenues, Rents, profits, incomm accruing & belonging to s<sup>d</sup> School to support & pay as the s<sup>d</sup> Undertakers shall agree & see cause, the s<sup>d</sup> Rector or Master, Tutors, Ushers or other officers their Respective annual Salaries or Allowances. As also for the encouragem<sup>t</sup> of the Students to grant degrees or Licences as they or those deputed by them shall see cause to order & appoint.

Under this Charter the Collegiate School was begun in November, 1701, at Saybrook, where it continued until its removal to New Haven, in October, 1716. In September, 1718, the name of YALE COLLEGE was given by the Trustees to the School, in honor of the benefactions of ELIHU YALE, of London, lately Governor of the East India Company's settlement at Madras.

In 1723 an "ACT IN EXPLANATION OF AND ADDITION TO THE ACT FOR ERECTING A COLLEGIATE SCHOOL" was passed by the General Assembly, with the following provisions:—

WHEREAS Pursuant to the Powers and Priviledges granted to Certain Trustees for Erecting a Collegiate School in this Colony Entituled an Act for a Collegiate School, the Said Trustees have Erected the said School in the Town of New-Haven which School is now known by the Name of Yale Colledge; And Whereas it appears to this Assembly that an Explanation and Enlargement of the powers and priviledges granted by Said Act is Necessary for the Carrying on the Affairs of the Said Colledge, for want of which it has Laboured under great difficulties very much to the prevention of that Order and good Education which is to be desired there:

Bee it therefore Enacted by the Governour, Council and Representatives in Generall Court assembled and by the Authority of the Same that the Said Act which provides that the Number of the Said Trustees be not under Seven nor above Eleven is not to be Understood or Taken so as to be restrictive of the power of the Said Trustees Never to Choose any person to be a Trustee, when there is of Such persons as have been Chosen and Acted as Trustees Eleven persons Living in the Colony or Elsewhere, but that in Case any person so Chosen be by Providence Incapacitated from attending that Service or shall himself decline the Same thro' the Necessity of his own Affairs or for any other such Reason as he shall Judge requisite, the Trustees in any of their Meetings Lawfully Called may be Understood to have and it is hereby Enacted and declared that they shall be Taken to have full power by the Majority of Such Meeting to proceed to the Choice of Another Trustee in the Room of any such person. And it is hereby further declared and Enacted to be the True Intent and Meaning of the Act afores<sup>d</sup> that the said Trustees shall be Impowered and they are hereby declared to have power to Meet Together for Considering, Advising about and Resolving upon all Matters belonging to the Trust of the Said Colledge committed unto them as afores<sup>d</sup> and to Agree and Conclude, Order and determine Concerning them by the Majority of the

Said Meeting, and by the same Majority to Choose and Appoint a Clerk who shall, in a fair book prepared for that End, Register and Carefully preserve the Acts of all such Meetings.

And WHEREAS it has been doubted what Number of the Said Trustees may be Lookt upon as a Sufficient or full Meeting, Inasmuch as there is not in the afores<sup>d</sup> Act any Express mention made of any Meeting of the said Trustees; It is therefore to prevent all Scruple of that kind for the future hereby provided and declared that due Notice being given to the Trustees by Consent of any three of them of a Meeting of the Trustees desired at any Time or place, and Seven or more of the Trustees present at such Time and place shall be Esteemed a full Meeting. And it is hereby declared and Enacted that in all such Meetings, so Called, or Otherwise as the said Trustees in any such Meeting shall agree, all affairs under the Care of the said Trustees shall be determined by the majority of such meeting.

And WHEREAS it has been found Inconvenient that in the Election of Persons to be Trustees, the Trustees Election by the afores<sup>d</sup> Act should by Limited and restrained so as that the Person who shall be Chosen must Necessarily be fourty Years of age ; It is hereby declared and Enacted that for the future the said Trustees in any Election of a person into that Trust shall not be Esteemed or held Obliged by said Act to Choose such a person as shall be above fourty Years of Age, but may Choose such a person otherwise Qualifyed According to said Act, Provided he is thirty Years of Age. And it is further hereby Allowed, Enacted, Granted and Provided that whosoever shall be Chosen and made a Rector of the said Colledge shall by Virtue thereof become a Trustee of the same and be so Esteemed and Taken during his Continuance in the said Rectorship.

In 1745 a thoroughly revised Charter was granted by the Assembly ; the provisions of permanent interest are as follows :—

*An ACT for the more full and complete Establishment of YALE COLLEGE in NEW HAVEN, and for enlarging the Powers and Privileges thereof.*

WHEREAS upon the Petition of several well-disposed and public-spirited Persons expressing their desire that full Liberty and Privilege might be granted unto Certain Undertakers for the founding, suitably endowing and ordering a *Collegiate School*, within this Colony, wherein Youth might be instructed in the Arts and Sciences, the Governor and Company of the said Colony in General Court assembled at *New Haven*, on the Ninth Day of October, in the Year of our Lord 1701, Granted unto the Rev'd Messrs. *James Noyes* [etc.], who were

proposed to stand as Trustees, Partners, or Undertakers for the Society, and to their Successors, full Liberty, Right and Privilege to erect, form, direct, order, establish, improve, and at all Times in all suitable Ways to encourage the said School in some convenient Place in this Colony, and granted sundry Powers and Privileges for the attaining the End aforesaid ;

*And Whereas* the said Trustees, Partners or Undertakers in pursuance of the aforesaid Grant, Liberty and License, founded a *Collegiate School at New Haven*, known by the Name of *YALE COLLEGE*, which has received the favorable Benefactions of many Liberal and piously disposed Persons, and under the Blessing of Almighty God has trained up many worthy Persons for the Service of God in the State as well as in the Church ;

*And Whereas* the General Court of this Colony assembled at *New Haven*, the Tenth day of October, in the Year of our Lord 1723, did explain and enlarge the aforesaid Powers and Privileges granted to the aforesaid Partners, Trustees or Undertakers and their Successors, for the Purpose aforesaid ; as by the respective Acts, reference thereto being had, more fully and at large may appear ;

*And Whereas* the Rev'd Messrs. *Thomas Clap, Samuel Whitman, Jared Eliot, Ebenezer Williams, Jonathan Marsh, Samuel Cooke, Samuel Whittelsey, Joseph Noyes, Anthony Stoddard, Benjamin Lord, and Daniel Wadsworth*, the present Trustees, Partners and Undertakers of the said School, and Successors of those beforementioned, have petitioned, that the said School, with all the Rights, Powers, Privileges and Interests thereof, may be confirmed, and that such other additional Powers and Privileges may be granted as shall be necessary for the Ordering and Managing the said School, in the most advantageous and beneficial Manner for the promoting all good Literature in the present and succeeding Generations : Therefore,

THE GOVERNOR and COMPANY of his Majesty's said English Colony of *Connecticut* in General Court assembled, this Ninth Day of *May*, in the Year of our Lord 1745, enact, ordain, and declare, and by these Presents it is enacted, ordained, and declared—

That the said *Thomas Clap* [etc.], shall be an *Incorporate Society or Body Corporate and Politic*, and shall hereafter be called and known by the name of *THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN*, and that by the same Name they and their Successors shall and may have perpetual Succession, and shall and may be Persons in the Law capable to plead and be impleaded, defend and be defended, and answer and be answered unto ; and also to have, take, possess, acquire, purchase, or otherwise receive Lands, Tenements, Hereditaments, Goods, Chattels, or other Estates, and the same Lands, Tenements, Hereditaments, Goods, Chattels, or other Estates to grant, demise, lease,

use, manage or improve for the Good and benefit of the said *College* according to the Tenor of the Donation, and their Discretion.

That all Gifts, Grants, Bequests, and Donations of Lands, Tenements, or Hereditaments, of Goods and Chattels heretofore made to or for the Use, Benefit and Advantage of the *Collegiate School* aforesaid, whether the same be expressed to be made to the President or Rector, and to the rest of the Incorporate Society of *Yale College*, or to the Trustees or Undertakers of the *Collegiate School* in *New Haven*, or to the Trustees by any other Name, Style or Title whatsoever, whereby it may be clearly known and understood that the true Intent and Design of such Gifts, Grants, Bequests and Donations, was to or for the Use, Benefit and Advantage of the Collegiate School aforesaid, and to be under the Care and Disposal of the Governors thereof, shall be confirmed, and the same hereby are confirmed, and shall be and remain to, and be vested in the President and Fellows of the *College* aforesaid, and their Successors, as to the true and lawful Successors of the original Grantees.

- That the said PRESIDENT AND FELLOWS and their Successors shall and may hereafter have a common Seal, to serve and use for all Causes, Matters and Affairs of them and their Successors, and the same Seal to alter, break, and make new as they shall think fit.

That the said THOMAS CLAP shall be, and he is hereby established the present PRESIDENT, and the said *Samuel Whitman* [etc.] shall be, and they are hereby established the present FELLOWS of the said *College*, and that they and their Successors shall continue in their respective Places during Life, or until they or either of them shall resign, or be removed, or displaced, as in this Act is hereafter expressed.

That there shall be a General Meeting of the *President and Fellows* of said *College*, in the College Library on the second Wednesday of September annually, or at any other Time and Place which they shall see Cause to appoint, to consult, advise and act in and about the Affairs and Business of the said *College*; and that on any special Emergency the President and two of the Fellows, or any four of the Fellows, may appoint a Meeting of the said *College*, provided they give Notice thereof to the Rest by Letters sent and Left with them, or at the Places of their respective Abode, five Days before such Meeting; and that the President and six Fellows, or in Case of the Death, Absence, or Incapacity of the President, seven Fellows, convened as aforesaid (in which Case the eldest Fellow shall preside), shall be deemed a Meeting of the President and Fellows of said *College*, and that in all the said Meetings, the Major Vote of the Members present shall be deemed the Act of the Whole, and where an Equivote happens, the President shall have a casting Vote.

That the President and Fellows of the said *College* and their Successors, in any of their Meetings assembled as aforesaid, shall and may

from Time to Time, as Occasion shall require, elect and appoint a President or Fellow in the Room and Place of any President or Fellow who shall die, resign, or be removed from his office, Place or Trust (whom the said Governor and Company hereby declare, for any Misdemeanor, Unfaithfulness, Default or Incapacity, shall be removable by the President and Fellows of the said College; Six of them, at least, concurring in such Act); and shall have Power to appoint a Scribe or Register, a Treasurer, Tutors, Professors, Steward, and all such other Officers and Servants, usually appointed in Colleges or Universities, as they shall find necessary and think fit to appoint for the promoting good Literature, and the well ordering and managing the Affairs of said College; and them or any of them, at their Discretion, to remove; and to prescribe and administer such Forms of Oaths (not being contrary to the Laws of England or of this Colony) as they shall think proper, to be administered to all the Officers and Instructors of the said College, or to such and so many of them as they shall think proper, for the faithful Execution of their respective Places, Offices and Trusts.

That the President and Fellows shall have the Government, Care and Management of the said College and all the Matters and Affairs thereunto belonging, and shall have Power from Time to Time, as Occasion shall require, to make, ordain and establish all such wholesome and reasonable Laws, Rules and Ordinances, not repugnant to the Laws of England, nor the Laws of this Colony, as they shall think fit and proper for the Instruction and Education of the Students, and Ordering, Governing, Ruling and Managing the said College, and all Matters, Affairs, and Things thereunto belonging, and the same to Repeal and alter as they shall think fit; which shall be laid before this Assembly as often as required, and may also be repealed or disallowed by this Assembly when they shall think proper.

That the President of said College, with the Consent of the Fellows, shall have Power to give and confer all such Honors, Degrees or Licenses as are usually given in Colleges or Universities, upon such as they shall think worthy thereof.

In 1792 a grant of money from the State of Connecticut was received, upon the condition that certain State officials should become members of the Board of Fellows, as below expressed:—

In case this grant shall be accepted, in manner as hereinafter provided, the Governor, Lieutenant Governor, and six senior assistants in the Council\* of this State, for the time being, shall ever hereafter, by

\* Changed in 1819 to the six senior senators.

virtue of their said offices, be trustees or fellows of said College ; and shall together with the present President and Fellows of said College, and their successors, constitute one corporation, by the name and style mentioned in the charter of said College ; and shall have and enjoy the same powers, privileges, and authority, in as full and ample a manner, as though they had been expressly named and included in said charter ; And that in case of vacancy, by the death, or resignation, or in any other way, of any of the present Fellows of said College, and their successors, every such vacancy shall forever hereafter be supplied by them, and their successors, by election, in the same manner as though this act had never passed.

In the State Constitution, adopted in 1818, the privileges conferred by the Charter were reaffirmed, as follows :—

ARTICLE VIII, SECT. I.

The charter of Yale College, as modified by agreement with the Corporation thereof, in pursuance of an Act of the General Assembly, passed in May, 1792, is hereby confirmed.

In 1872, at the request of the Corporation, an Act was passed by the General Assembly, providing (as follows) for the substitution of graduates in the place of the six senators among the Fellows :—

SECTION 1.—All graduates of the first degree, of five or more years' standing, in any of the departments of Yale College, and all persons who have been admitted to any degree higher than the first in Yale College, whether honorary or in course, may, on the day next preceding the public commencement day of said College, in the year of our Lord 1872, cast their votes, under such regulations as the President and Fellows may prescribe, for six persons to be chosen from among such graduates ; and the six persons who shall be found to be elected by a plurality of the votes cast, shall be the Fellows of Yale College in the stead of the six senior senators of the State, and shall have all the rights, duties, and privileges as Fellows which are now by law conferred upon said senators. In case of an equality of votes between two or more candidates, the person who shall hold the said office of Fellow shall be designated by lot from among the persons receiving such equality of votes.

SECTION 2.—The Fellows thus elected shall enroll themselves by lot in six classes, one holding the office for six years, another for five years, another for four years, another for three years, another for two years, and

another for one year, eligible for re-election; and every year as a vacancy occurs, all graduates of the first degree, of five or more years' standing, in any of the departments of Yale College, and all persons who have been admitted to any degree higher than the first in Yale College, whether honorary or in course, may, upon the day next preceding commencement day, in the manner heretofore prescribed, elect by a plurality of votes a person to fill the vacancy, and hold the office of Fellow for a period of six years, eligible for re-election; and so whenever a vacancy shall occur from death, resignation, or any other cause, such graduates may elect a person at the next commencement to fill the office of Fellow for the remainder of the term in which a vacancy has occurred. The official year of such Fellows shall end with the day next preceding each commencement day.

In March, 1887, an Act passed the General Assembly of the State, authorizing the use of the title "YALE UNIVERSITY" by the President and Fellows of Yale College, and providing that gifts to, contracts with, conveyances to or by, and other acts affecting said Corporation by either of the names specified shall be valid.



## DEPARTMENTS OF INSTRUCTION

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The courses of study offered in the University are comprehended in four Departments, under the control of the Corporation, each Department being also under the administration of a distinct Faculty of instruction. The Departments are as follows :—

THE DEPARTMENT OF PHILOSOPHY AND THE ARTS ;

THE DEPARTMENT OF THEOLOGY ;

THE DEPARTMENT OF MEDICINE ;

THE DEPARTMENT OF LAW.

Under the first-named Department are included two separately organized sections in which instruction for undergraduates is provided, viz :—

THE ACADEMICAL DEPARTMENT, and

THE SHEFFIELD SCIENTIFIC SCHOOL ;

also, THE SCHOOL OF THE FINE ARTS, and the DEPARTMENT OF MUSIC, each with a special organization ; and The Courses for GRADUATE INSTRUCTION, under the combined Faculty of the Department.

It is to be understood that the courses of study above described are open to persons of the male sex only, except when both sexes are specifically included.

The LIBRARY, the PEABODY MUSEUM OF NATURAL HISTORY, and the OBSERVATORY are severally organized independently of the special Departments, and are designed to contribute, in their appropriate spheres, to the instruction and advancement of the whole institution.

# ACADEMICAL DEPARTMENT (YALE COLLEGE)

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## FACULTY

- ARTHUR T. HADLEY, LL.D., *PRESIDENT*  
HON. EDWARD J. PHELPS, LL.D., *Professor of Law*  
ARTHUR M. WHEELER, LL.D., *Professor of History*  
J. WILLARD GIBBS, PH.D., LL.D., *Professor of Mathematical Physics*  
ARTHUR W. WRIGHT, PH.D., *Professor of Experimental Physics*  
EUGENE L. RICHARDS, M.A., *Professor of Mathematics*  
TRACY PECK, M.A., *Professor of Latin*  
REV. CORNELIUS L. KITCHEL, M.A., *Instructor in Greek*  
WILLIAM G. SUMNER, LL.D., *Professor of Political and Social Science*  
REV. GEORGE T. LADD, D.D., LL.D., *Professor of Moral Philosophy  
and Metaphysics*  
CHARLES H. SMITH, LL.D., *Professor of American History*  
HENRY P. WRIGHT, PH.D., LL.D., *Professor of Latin, and Dean*  
HENRY S. WILLIAMS, PH.D., *Professor of Geology*  
HENRY A. BEERS, M.A., *Professor of English Literature*  
BERNADOTTE PERRIN, PH.D., LL.D., *Professor of Greek*  
EDWARD S. DANA, PH.D., *Professor of Physics*  
THOMAS D. SEYMOUR, LL.D., *Professor of Greek*  
FRANK A. GOOCH, PH.D., *Professor of Chemistry*  
ALBERT S. COOK, PH.D., L.H.D., *Professor of English*  
WILLIAM BEEBE, M.A., *Professor of Mathematics and Instructor in  
Astronomy*  
ANDREW W. PHILLIPS, PH.D., *Professor of Mathematics*  
GEORGE B. ADAMS, PH.D., *Professor of History*  
EDWARD P. MORRIS, M.A., *Professor of Latin*  
HENRY R. LANG, PH.D., *Professor of Romance Philology*  
ROBERT L. SANDERSON, *Instructor in French*  
THOMAS D. GOODELL, PH.D., *Professor of Greek*  
ARTHUR H. PALMER, M.A., *Professor of German*  
HORATIO M. REYNOLDS, M.A., *Professor of Greek*  
GEORGE M. DUNCAN, M.A., *Professor of Philosophy*  
E. HERSHEY SNEATH, PH.D., *Professor of Philosophy*  
FRANK K. SANDERS, PH.D., *Professor of Biblical Literature*

- ROBERT L. TAYLOR, B.A., *Instructor in French*  
EDWARD G. BOURNE, PH.D., *Professor of History*  
GUSTAV GRUENER, PH.D., *Professor of German*  
EDWARD W. SCRIPTURE, PH.D., *Director of the Psychological Laboratory*  
JAMES J. ROBINSON, PH.D., *Instructor in Latin*  
JOHN C. SCHWAB, PH.D., *Professor of Political Economy*  
CHARLTON M. LEWIS, PH.D., *Professor of English Literature*  
THOMAS C. STEARNS, PH.D., *Instructor in Ancient Philosophy*  
JACOB WESTLUND, PH.D., *Instructor in Mathematics*  
WILLIAM LYON PHELPS, PH.D., *Assistant Professor of English Literature*  
IRVING FISHER, PH.D., *Professor of Political Economy*  
JAMES PIERPONT, PH.D., *Professor of Mathematics*  
HANNS OERTEL, PH.D., *Assistant Professor of Comparative Philology*  
CHARLES SEARS BALDWIN, PH.D., *Assistant Professor of Rhetoric*  
PHILIP E. BROWNING, PH.D., *Assistant Professor of Chemistry*  
OLIVER H. RICHARDSON, PH.D., *Assistant Professor of History*  
CECIL K. BANCROFT, B.A., *Tutor in Latin*  
CHARLES W. L. JOHNSON, PH.D., *Instructor in Greek*  
CHARLES S. INGHAM, PH.D., *Tutor in Latin*  
JAMES W. D. INGERSOLL, PH.D., *Assistant Professor of Latin*  
D. ALBERT KREIDER, PH.D., *Instructor in Physics*  
MILTON B. PORTER, PH.D., *Instructor in Mathematics*  
ALFRED K. MERRITT, B.A., *Registrar*  
ARTHUR L. WHEELER, PH.D., *Tutor in Latin*  
WENDELL M. STRONG, PH.D., *Tutor in Mathematics*  
THEODORE WOOLSEY HEERMANCE, PH.D., *Instructor in Greek Archaeology*  
RICHARD T. HOLBROOK, B.A., *Tutor in the Romance Languages*  
EDSON F. GALLAUDET, PH.D., *Instructor in Physics*  
EDWARD B. REED, PH.D., *Tutor in English*  
GERVASE GREEN, PH.D., *Instructor in Philosophy*  
WILLIAM B. BAILEY, PH.D., *Instructor in Statistics*  
CHARLES J. OSGOOD, JR., PH.D., *Tutor in English*  
HOLLON A. FARR, B.A., *Tutor in German*  
CHAUNCEY W. WELLS, B.A., *Instructor in Rhetoric*  
HERBERT E. HAWKES, B.A., *Instructor in Mathematics*  
SHERWOOD O. DICKERMAN, B.A., *Instructor in Greek.*  
EDWARD D. COILINS, B.A., *Instructor in History*

## OTHER INSTRUCTORS

- WILLIAM G. ANDERSON, M.D., *Instructor in Gymnastics*  
GUSTAV A. ANDREEN, B.A., *Instructor in Scandinavian Languages*  
MARK BAILEY, M.A., *Instructor in Elocution*  
RUSSELL H. CHITTENDEN, PH.D., *Professor of Physiological Chemistry*  
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MOLTON A. COLTON, B.A., *Instructor in French*  
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EDGAR S. DOWNS, B.A., *Assistant in the Sloane Laboratory*  
JAY G. ELDRIDGE, B.A., *Instructor in German*  
ALEXANDER W. EVANS, M.D., PH.D., *Instructor in Botany and Bacteriology*  
HARRY B. FERRIS, M.D., *Professor of Anatomy*  
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JOHN M. GAINES, B.A., *Assistant in Political Economy*  
KARL F. GEISER, PH.B., *Assistant in History*  
HERBERT E. GREGORY, PH.D., *Instructor in Physical Geography*  
JOSEPH H. HART, B.A., *Assistant in the Sloane Laboratory*  
EDWARD WASHBURN HOPKINS, PH.D., *Professor of Sanskrit and Comparative Philology*  
HARRY B. JEPSON, B.A., MUS.B., *Assistant Professor of the Theory of Music*  
H. STANLEY KNIGHT, *Instructor in Piano-Forte Playing*  
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CHARLES A. PETERS, B.S., *Laboratory Assistant in Chemistry*  
ISAAC K. PHELPS, PH.D., *Instructor in Chemistry*

EDWARD V. RAYNOLDS, D.C.L., *Instructor in Debating*  
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FREDERICK O. ROBBINS, B.A., *Instructor in French*  
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ROBERT K. ROOT, B.A., *Instructor in English*  
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SIDNEY I. SMITH, M.A., *Professor of Comparative Anatomy*  
EMERSON J. TAYLOR, PH.D., *Assistant in Rhetoric*  
CHAUNCEY B. TINKER, B.A., *Assistant in English*  
ISIDOR TROOSTWYK, *Instructor in Violin Playing*  
JOHN F. WEIR, N.A., M.A., *Professor of Painting and Design*  
FREDERICK WELLS WILLIAMS, B.A., *Instructor in Oriental History*  
MEYER WOŁODARSKY, PH.D., *Instructor in Russian*

THE DEAN,	.	.	.	Daily, 10 to 12, 135 Elm st.
THE REGISTRAR,	.	.	.	Daily, 10 to 1, 135 Elm st.
PROFESSOR BALDWIN,	.	.	Daily, 9.30 to 10.20, 12.30 to 1, 15 WH.	
PROFESSOR BEEBE,	.	.	Daily, 9.30 to 10, D Alumni Hall.	
PROFESSOR BEERS,	.	Tuesday and Thursday, 3.30 (1st term), 4.30 (2d term), 176 LYC.		
PROFESSOR COOK,		Monday and Thursday, 1.30 to 2, 219 Bishop st.		
PROFESSOR DANA,	Monday, Wednesday, and Friday, 10.30, Sloane Lab.			
PROFESSOR DUNCAN,	.	.	Wednesday, 9.30 to 11, 275 L.	
PROFESSOR GIBBS,	.	Monday and Thursday, 4, Sloane Laboratory.		
PROFESSOR GOOCH,		Tuesday and Friday, 12 to 1, Kent Laboratory.		
PROFESSOR GOODELL,		Monday, Tuesday, Thursday, and Saturday, 9.30 to 10, 15 P. H.		
PROFESSOR GRUENER,		Daily, except Saturday, 8.30 to 9.15, and 1 to 1.45, 276 L.		
MR. HOLBROOK,	.	.	.	Daily, 11-12, 170 F.
PROFESSOR HOPKINS,	.	.	.	Daily, 2, 235 Bishop st.
PROFESSOR INGERSOLL,	.	.	.	Daily, 12.20, 11 P. H.
PROFESSOR LANG,		Monday, Wednesday, and Friday, 2-3, 244 L.		
PROFESSOR LEWIS,		Tuesday to Friday inclusive, 10.30 to 11.20 ; Saturday, 9.30 to 10, 133 F.		
MR. OSGOOD,		Monday, Tuesday and Friday, 12.30 to 1, 175 LYC.		
PROFESSOR PALMER,		Daily, except Saturday, 12.30 to 1.30, 251 Lawrence st.; Tuesday and Saturday, 10.20, F, O.		
PROFESSOR PARKER,	.	.	.	Wednesday, 12 to 1, 3 TR.
PROFESSOR PECK,	.	.	.	Wednesday and Saturday, 11.30, 21 P. H.
PROFESSOR PERKIN,	.	.	.	Daily, except Saturday, 2 to 3, 136 F.

Professor W. L. PHELPS,	Wednesday and Saturday, 9.30 to 10.30, 70 S. M.
Professor PHILLIPS,	Daily, except Saturday, 2.30 to 4, 90 High st.
Professor REYNOLDS,	Monday, Wednesday, Thursday, 12.30 to 1, 14 P. H.
Professor E. L. RICHARDS,	Monday, Tuesday, Thursday, and Friday, 10 to 11, 118 N.
Doctor ROBINSON,	Daily, 9.30 to 10.30, 9 P. H.
Professor SANDERS,	Monday and Thursday, 11 to 1, 235 Lawrence st.
Mr. SANDERSON,	Monday, Wednesday, and Friday, 11.30 to 12.30, E. O.
Professor SANFORD,	Tuesday and Friday, 11 to 12, 38 College st.
Professor SCHWAB,	Monday, Tuesday, Thursday, and Friday, 12.30 to 1, 133 F.
Doctor SCRIPTURE,	Tuesday, Wednesday, Thursday, 5 to 6, Psychological Laboratory.
Professor SEYMOUR,	Daily, 11 to 12, 22 P. H.
Professor C. H. SMITH,	Friday, 9.30 to 10.30, D. O.
Professor SNEATH,	Friday and Saturday, 9.30, E. O.
Professor SUMNER,	Monday and Thursday, 9.30 to 10.20, E. O, daily, 2 or 7, 140 Edwards st.
Mr. TAYLOR,	Tuesday and Thursday, 4.30 to 5, D. O.
Professor WHEELER,	Tuesday and Friday, 9.30 to 11.30, C. O., or 207 D.
Doctor A. L. WHEELER,	Daily, 12.30 to 1, 12 P. H.
Professor H. S. WILLIAMS,	Monday and Thursday, 9 to 10.30, 6 M.
Professor A. W. WRIGHT,	Daily, except Saturday, 10.30 to 12.20, Sloane Laboratory.

From the date of the original Charter, in 1701, a course of instruction leading to the degree of Bachelor of Arts has been continuously offered at the College ; at first only three years of undergraduate study were required, but before 1710 a four years' course was provided, which has since been maintained.

Until 1813, when a Medical School was organized, no other course of study for a degree was marked out at Yale College ; but with the incorporation of the Medical Institution (as it was originally styled) the older Department began to be designated the Academical Institution (or Department), and has continued to be so designated until at length, with the growth of other Schools about it and the expansion of the whole into Yale University, the original title of Yale College has again come to be applied distinctively to this Department.

## TERMS OF ADMISSION

ALL CANDIDATES FOR ADMISSION to the Freshman Class are examined in the following books and subjects; certificates of standing elsewhere are not accepted in place of this examination, except in certain cases when a candidate brings evidence that he has passed the whole of Freshman year in good standing in another college.

## I. ANCIENT LANGUAGES

1. Latin Grammar.
2. Cicero—the orations against Catiline and for Archias; and, in addition, either the *Milo*, or the *Manilian Law*, or the *Cato Major*, or the *Marcellus* and the 14th *Philippic*.
3. Vergil—the first six books of the *Aeneid* (including Prosody); and, in addition, either the *Bucolics* or the eighth and ninth books of the *Aeneid*.
4. Ovid—*Metamorphoses*, translation at sight.
5. The translation, at sight, of passages from Nepos and Caesar.
6. The translation into Latin of connected passages of English prose.
7. Roman History, to the death of Augustus.
8. Greek Grammar.
9. Xenophon—*Anabasis*, four books.
10. Homer—*Iliad*, three books, with Prosody.
11. The translation, at sight, into simple and idiomatic English, of a passage from some work of Xenophon.
12. The translation into Greek of connected passages of English prose, employing the vocabulary and idioms of the first four books of Xenophon's *Anabasis*.
13. Greek History.

Of the examinations in the ancient languages, those in Latin and Greek Grammar (1 and 8), translation at sight (4, 5, and 11), and Latin and Greek Composition (6 and 12), are considered most important, and the papers in them are read and marked with special care and strictness. A candidate who shows marked proficiency in these subjects is not conditioned for slight deficiency in Xenophon, Cicero, or Vergil.

The examination in Latin Grammar in 1900 will be based upon the second, third, and fourth orations of Cicero against Catiline. Students who do not read Cicero until the last year of their preparatory course are, therefore, advised to reserve Latin Grammar for their final examination. The examination in Greek Grammar in 1900 will be based on the first two books of Xenophon's *Anabasis*. In

both Greek and Latin, however, a knowledge of grammatical principles, especially of the body of syntax, will be required.

Grammatical questions are not asked on other classical papers, except to test the candidate's understanding of a passage, or on poetic forms and constructions (including prosody) in Homer and Vergil.

In order to allow preparatory schools freedom in arranging their courses of work, alternative equivalents are provided in the authors set. Thus the paper on Cicero contains questions on all the orations named in the list above, and on the Vergil paper passages are set from the eighth and ninth books of the *Aeneid* as a substitute for the *Bucolics*. Papers will be prepared also on other parts of Vergil, on other orations of Cicero, on other portions of the works of Xenophon than the first four books of the *Anabasis*, and on other books of Homer than the first three and the sixth of the *Iliad*, provided information is given to the Registrar, Mr. A. K. Merritt, before May 1, that such a paper is desired.

In the translations at sight from Greek and Latin, the candidate is expected to show accurate knowledge of the forms and structure of the language, and an intelligent comprehension of the meaning of the whole passage set.

The passages set for translation from English into Greek and Latin call for acquaintance with the vocabulary and style of simple narrative.

Teachers are advised to connect exercises in Greek and Latin composition, both oral and written, with all the Greek and Latin studies of the preparatory courses, and to begin the exercises in reading at sight early.

## II. MATHEMATICS

14. Algebra (*a*)—Fundamental operations; factoring; highest common factor; least common multiple; fractions; equations of the first degree in one or more unknown quantities; problems which lead to equations of the first degree; powers and roots; fractional and negative exponents; reduction of radicals, including the extraction of the square root of numbers. (Special emphasis is laid upon accuracy and facility in reckoning.)

15. Algebra (*b*)—Quadratic equations in one or two unknown quantities; ratio and proportion; arithmetical and geometrical progressions; permutations and combinations; undetermined coefficients; binomial theorem for positive, negative, and fractional exponents.

16. Plane Geometry (*a*)—Demonstrations of theorems and constructions, and demonstrations of problems which are contained in the standard texts; also, simple exercises in construction and demonstration.

17. Plane Geometry (*b*)—Mensuration of the triangle, parallelogram, trapezoid, regular polygons, and circle; and the use of the logarithms of numbers. The demonstrations of propositions do not form a part



of this requirement, but are included in Plane Geometry (a). (A knowledge of the simple arithmetical operations will be assumed.) The problems in this subject, for the most part, will be stated in terms of the metric system of weights and measures; and in the solutions the student will be required to use four- or five-place logarithmic tables. (Special emphasis is laid upon accuracy in reckoning.)

For the examination in Geometry, the candidates must provide themselves with compasses and rulers.

### III. MODERN LANGUAGES

18. French *or* German—so far as to translate at sight easy prose into English, and also to translate easy English exercises into French or German.

The candidate is at liberty to decide for himself in which of the two languages he shall be examined.

In *French* the examination is adapted to the proficiency of those who have studied French in the equivalent of a systematic course of five hours a week for one year. It will consist of two parts (which, however, cannot be taken separately):—

(a) The translation at sight of ordinary prose.

The passages set for translation will be suited to candidates who have read not less than three hundred duodecimo pages from the works of at least three different authors; this amount includes sight-reading done in class. Not more than half the reading should be from works of fiction. It is important that all translation be done into clear and idiomatic English.

(b) The translation into French of English sentences, or a short connected passage, to test the candidate's familiarity with elementary grammar.

Elementary grammar is understood to include the conjugation of regular and the more usual irregular verbs; the forms and positions of the personal pronouns; the uses of other pronouns and of possessive, demonstrative, and interrogative adjectives; the inflection of nouns and adjectives for gender and number, except rare cases; the uses of articles; and the partitive constructions. Proficiency may also be tested by direct questioning.

Pronunciation should be carefully taught, and the pupil should be accustomed to hear and understand the spoken language. The writing of French from dictation is also recommended.

In *German* the examination is adapted to the proficiency of those who have studied German in the equivalent of a systematic course of five periods a week for one year. It will consist of two parts (which, however, cannot be taken separately):—

(a) The translation at sight of a passage of easy prose containing no rare words.

The passages set for translation will be suited to candidates who have read not less than two hundred duodecimo pages of simple German, chiefly narrative prose; this amount includes sight-reading done in class. It is important that all translation be done into clear and idiomatic English.

(b) The translation into German of simple English sentences, to test the candidate's familiarity with elementary grammar.

Elementary grammar is understood to include the conjugation of the weak and the more usual strong verbs; the declension of articles, adjectives, pronouns, and such nouns as are readily classified; the commoner prepositions; the simpler uses of modal auxiliaries; the elements of syntax and word-order. Proficiency may also be tested by direct questioning.

Practice in pronunciation by reading aloud as much as possible from the texts used in the class is recommended; also, the writing of German from dictation.

#### IV. ENGLISH

19. ENGLISH A. READING AND PRACTICE—A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. As supplementary to this test, the candidate will be allowed to present an exercise-book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books.

In preparation for this part of the examination, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination are:—

Preliminary Examination in 1899, for the class entering in 1900: Dryden's *Palamon and Arcite*; Pope's *Iliad*, Books i, vi, xxii, and xxiv; The Sir Roger de Coverley Papers in *The Spectator*; Goldsmith's *Vicar of Wakefield*; Scott's *Ivanhoe*; DeQuincey's *Flight of a Tartar Tribe*; Cooper's *Last of the Mohicans*; Tennyson's *Princess*; Lowell's *Vision of Sir Launfal*.

Preliminary Examination in 1900, for the class entering in 1901 : Shakespeare's *Merchant of Venice* ; Pope's *Iliad*, Books i, vi, xxii, and xxiv ; The Sir Roger de Coverley Papers in *The Spectator* ; Goldsmith's *Vicar of Wakefield* ; Coleridge's *Ancient Mariner* ; Scott's *Ivanhoe* ; Cooper's *Last of the Mohicans* ; Tennyson's *Princess* ; Lowell's *Vision of Sir Launfal* ; George Eliot's *Silas Marner*.

Preliminary Examination in 1901, for the class entering in 1902 ; Shakespeare's *Merchant of Venice* ; Pope's *Iliad*, Books i, vi, xxii, and xxiv ; The Sir Roger de Coverley Papers in *The Spectator* ; Goldsmith's *Vicar of Wakefield* ; Coleridge's *Ancient Mariner* ; Scott's *Ivanhoe* ; Cooper's *Last of the Mohicans* ; Tennyson's *Princess* ; Lowell's *Vision of Sir Launfal* ; George Eliot's *Silas Marner*.

Preliminary Examinations in 1902, 1903, and 1904, for the classes entering in 1903, 1904 and 1905 :

Shakespeare's *Merchant of Venice* and *Julius Caesar* ; The Sir Roger de Coverley Papers in *The Spectator* ; Goldsmith's *Vicar of Wakefield* ; Coleridge's *Ancient Mariner* ; Scott's *Ivanhoe* ; Carlyle's *Essay on Burns* ; Tennyson's *Princess* ; Lowell's *Vision of Sir Launfal* ; George Eliot's *Silas Marner*.

20. ENGLISH B. STUDY AND PRACTICE—This part of the examination presupposes more careful study of each of the works named below. The examination will be upon subject-matter, form, and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this part of the examination are :—

Final Examination in 1900 : Shakespeare's *Macbeth* ; Milton's *Paradise Lost*, Books i and ii ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essays on Milton and Addison*.

Final Examination in 1901 : Shakespeare's *Macbeth* ; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essays on Milton and Addison*.

Final Examination in 1902 : Shakespeare's *Macbeth* ; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essays on Milton and Addison*.

Final Examinations in 1903, 1904, and 1905 :

Shakespeare's *Macbeth* ; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso* ; Burke's *Speech on Conciliation with America* ; Macaulay's *Essays on Milton and Addison*.

For candidates who take the complete examination in English at a single session, this examination will cover the books set for the final examination in that year, together with those set for the preliminary examination in the preceding year : for example, the complete exami-

nation in 1900 will cover the books set for the final examination in 1900, together with those set for the preliminary examination in 1899.

No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or divisions into paragraphs. An entrance condition imposed in the Preliminary Examination will be removed only upon evidence of marked improvement in the power to write English correctly.

Candidates are allowed to divide the examination, with an interval of not less than a year between the two parts. In such cases, they must present themselves at one of the two regular examinations, that is, either in June or in September, of the first year; and at this preliminary examination each candidate must submit a definite statement from his principal instructor of the subjects which he is authorized to offer. No preliminary certificate will be furnished, unless at least six of the above twenty subjects have been satisfactorily passed.

A candidate rejected in June, who has passed in five or more subjects, may try the whole examination again in September; but a preliminary certificate given in June cannot be used in the following September examination.

THE REGULAR EXAMINATION FOR ADMISSION to College is held at Alumni Hall, New Haven, on Thursday, Friday, and Saturday after Commencement (June 28, 29, 30, 1900); *attendance is required at the opening of the examination, at 9 A. M. on Thursday*, and the sessions will close at 1 P. M. on Saturday. The examination is wholly in writing; a set of papers recently given will be sent by the Registrar, Mr. A. K. Merritt, on application.

In 1900 examinations (beginning on Thursday, June 28, at 9 A. M., and closing on Saturday at 1 P. M.) for admission to the Freshman Class (but not to higher classes) will also be held

in Albany, N. Y., at the Albany Academy;

Andover, Mass., at Phillips Academy;

Auburn, N. Y., at the High School;

Buffalo, N. Y., at the Central High School;

Chicago, Ill., at the Bryant & Stratton Business College, northwest corner Wabash avenue and Congress street;

in Cincinnati, O., at the Hughes High School, 5th street, head of Mound ;  
Cleveland, O., at the University School ;  
Columbus, O., at the High School ;  
Concord, N. H., at St. Paul's School ;  
Denver, Col., at the East Denver High School ;  
Detroit, Mich., at the Central High School ;  
Easthampton, Mass., at Williston Seminary ;  
Exeter, N. H., at Phillips Academy ;  
Groton, Mass., at Groton School ;  
Kansas City, Mo., at the Kansas City High School, southeast corner  
of 11th and Locust streets ;  
Knoxville, Tenn., at the University School ;  
Lakeville, Conn., at the Hotchkiss School ;  
Lawrenceville, N. J., at the Lawrenceville School ;  
Louisville, Ky., at the Male High School ;  
Milwaukee, Wisc., at the Milwaukee Academy, 471 VanBeuren  
street ;  
New York City, at the Y. M. C. A. building, 23d st. and 4th av. ;  
Norwich, Conn., at the Free Academy ;  
Philadelphia, Pa., at the Eastburn Academy, 700 North Broad street ;  
Pittsburg, Pa., at Shady Side Academy ;  
Pomfret, Conn., at the Pomfret School ;  
Portland, Oregon, at the Bishop Scott Academy ;  
Pottstown, Pa., at the Hill School ;  
St. Louis, Mo., at the Board of Education building, corner 9th and  
Locust streets ;  
St. Paul, Minn., at the High School ;  
San Francisco, Cal., at the Urban School, 2124 California street ;  
Scranton, Pa., at the School of the Lackawanna ;  
Sing Sing, N. Y., at Dr. Holbrook's School ;  
Southborough, Mass., at St. Mark's School ;  
Tacoma, Wash., at the Tacoma Academy ;  
Washington, D. C., in the rooms of the Patent Law Association, in  
the Warder Building, S. E. corner of 9th and F streets, N. W.

An examination will be held on the same days in some city of North-  
ern Europe, if applications are received by the Registrar not later than  
May 1. The exact place will be advertised in the Paris edition of  
the New York Herald during the first week of June. For this Euro-  
pean examination, a fee of twenty-five dollars will be charged.

Candidates who propose to be present elsewhere than  
at New Haven are requested to send their names to the  
Registrar before June 15. A fee of five dollars (payable

at the opening of the sessions) is charged for admission to examinations outside of New Haven. The College is also prepared to hold an examination, at the above-named time, in any city or at any school where the number of candidates and the distance from other places of examination may warrant it; applications for this purpose must be sent to the Registrar before May 15.

A second examination is held, *in New Haven*, at the beginning of the College year, on Monday, Tuesday, and Wednesday (September 24, 25, 26, 1900); candidates for this examination must be present at Alumni Hall at 2.30 p. m. on Monday.

### ORDER OF JUNE EXAMINATION

#### *Thursday, June 28*

[Session begins at 9.00. Registration,	.	.	9.00—9.40]
Vergil and Prosody,	.	.	9.40—10.40
English <i>a</i> ,	.	.	10.40—11.30
English <i>b</i> ,	.	.	11.30—12.30
Xenophon,	.	.	3.00— 4.00
Roman History,	.	.	4.00— 4.30
Greek Grammar,	.	.	4.30— 5.30
Greek Composition,	.	.	5.30— 6.00

#### *Friday, June 29*

Homer,	.	.	9.00—10.00
Algebra <i>a</i> ,	.	.	10.00—10.45
Algebra <i>b</i> ,	.	.	10.45—11.30
Caesar and Nepos,	.	.	11.30—12.15
Cicero,	.	.	2.45— 3.30
Greek History,	.	.	3.30— 4.00
Geometry <i>a</i> ,	.	.	4.00— 5.00
Geometry <i>b</i> ,	.	.	5.00— 6.00

#### *Saturday, June 30*

Latin Grammar,	.	.	9.00—10.00
Latin Composition,	.	.	10.00—10.30
Greek at sight,	.	.	10.30—11.15
Ovid at sight,	.	.	11.15—12.00
French or German,	.	.	12.00— 1.00

## ORDER OF SEPTEMBER EXAMINATION

*Monday, September 24*

[Session begins at 2.30 P. M. Registration, . . . . .]	2.30—3.00]
Vergil and Prosody, . . . . .	3.00—4.00
English <i>a</i> , . . . . .	4.00—5.00
English <i>b</i> , . . . . .	5.00—6.00

*Tuesday, September 25*

Xenophon, . . . . .	9.00—10.00
Roman History, . . . . .	10.00—10.30
Greek Grammar, . . . . .	10.30—11.30
Greek Composition, . . . . .	11.30—12.00
Homer, . . . . .	2.30—3.30
Algebra <i>a</i> , . . . . .	3.30—4.15
Algebra <i>b</i> , . . . . .	4.15—4.45
Caesar and Nepos, . . . . .	4.45—5.30

*Wednesday, September 26*

Greek History, . . . . .	9.00—9.30
Geometry <i>a</i> , . . . . .	9.30—10.30
Geometry <i>b</i> , . . . . .	10.30—11.30
Cicero, . . . . .	11.30—12.15
Latin Grammar, . . . . .	2.00—3.00
Latin Composition, . . . . .	3.00—3.30
Greek at sight, . . . . .	3.30—4.15
Ovid at sight, . . . . .	4.15—5.00
French or German, . . . . .	5.00—6.00

In general, examinations for admission to the next Freshman Class can be held only in July and September as specified; if in any case sufficient reason exists for an exception to this rule, a special fee (not exceeding fifty dollars) will be charged.

**ADVANCED STANDING**—All candidates for advanced standing, *whether from other Colleges or not*, are examined, in addition to the preparatory studies, in those studies which have been already pursued (see pp. 55 ff.) by the class which they wish to enter. In the several languages, for the particular books studied by the class, equivalent amounts from other books may be offered. Certificates of standing elsewhere cannot be accepted in place of these examinations, although they may be taken into account as collateral evidence of fitness for admission.

No one is admitted to the Senior Class after the beginning of the second term.

AGE—No one is admitted to the Freshman Class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS—Satisfactory testimonials of good moral character (preferably from the last principal instructor) are in all cases required, before a certificate of admission in full is granted. Students from other Colleges must present certificates of dismissal in good standing.

BOND—Every person must give to the Treasurer, on being admitted, a bond, executed by his parent or guardian, for five hundred dollars, as security for the payment of charges arising under the laws of the College. A blank form for this purpose is furnished at the time of admission.

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#### GOVERNMENT AND INSTRUCTION

The Dean has the general supervision, under the Faculty, of the Senior and Junior classes; the members of the two lower classes are assigned by divisions for a similar supervision to the care of instructors in those classes.

Absence from College exercises is excused only for extremely urgent reasons. In general, a student cannot be excused for absence at the beginning or near the end of a term. In order to cover all cases of absence which may seem justifiable to the student, but for which no excuses will be accepted, an allowance is granted to a member of the Senior or Junior class of absence from eight class-room exercises (recitations, lectures, or rhetorical appointments), and to a member of the Sophomore or Freshman class from six class-room exercises, during the first term and during each half of the second term, without incurring marks and without affecting his record for scholarship; provided that these absences shall not immediately precede or follow a vacation or recess; provided, also, that no two absences shall be consecutive in any one study, and that such absences shall not excuse the student from preparation upon the omitted lessons when reviewed.



The members of the Sophomore and Freshman classes are arranged in divisions according to scholarship. During the present year, for required work, the Junior class is divided into six divisions, the Sophomore class into eight, and the Freshman class into thirteen ; in the elective courses the divisions are of convenient size for classroom work.

In Freshman year Greek, Latin, and Mathematics occupy eleven hours of class-room work per week, three hours are given to Modern Languages, and one hour to English. In Sophomore year three-hour courses are offered in Greek, Latin, Mathematics, Modern Languages, English, and Physics, and each member of the class is required to select five courses. The kind and amount of study in these two years are believed to be such as are essential for laying the foundation of a liberal education, whatever the department or profession that may be pursued in after-life ; and no more than is needed to give the student a proper basis of knowledge and discipline for the study of the *elective* courses which follow, and that knowledge of himself, and of the subjects before him, which is needed for a judicious choice. If a student can pass a satisfactory examination in any of the Freshman or Sophomore courses for the work of *one year in advance*, he may be allowed to choose from the list of Electives some other course which he is qualified to pursue with advantage, covering the same number of hours.

Of the work of the Junior and of the Senior years, over four-fifths is in elective studies. The whole number of elective courses open to the two classes is at the present time about two hundred ; and in addition there are several courses of lectures, attendance on which is optional. The Juniors have open to them elective studies in the Fine Arts, History, Political Science, Psychology and Ethics, Biblical Literature, the Natural Sciences, and Music, in addition to those in the departments of the Classics, the Modern Languages, and Mathematics ; and the Seniors, electives under all these departments, with others of higher range as explained below.

Many of the courses fall naturally into groups: as that of the Ancient Languages and Literatures; Psychology, Logic, and Philosophy, with Ethics; Political Science and Law; History; Modern Languages and Literatures; Mathematics and Physics; Chemistry and the Natural Sciences; and the student is recommended to select his courses as far as possible according to his needs, in part perhaps according to his expectations as to future work, fixing first upon the chief subject, and selecting others that are subsidiary to it. In several cases, related courses are accessible to the student only as they are taken consecutively.

To promote the rational choice of elective courses, SPECIAL HONORS in various groups of studies are offered, to be given at the end of the Senior year, in accordance with the scheme on page 122.

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THE PROGRAM OF STUDIES for the current year is as follows:

#### FRESHMAN YEAR

*Greek*—Thucydides i, selections; Lysias, selected speeches; the *Apology* and one or two other dialogues of Plato.

*Latin*—Livy, books i and ii; selections from Latin prose or verse; Terence or the *Satires* of Horace; Prose Composition.

*French or German*—Three hours a week throughout the year. Students may at their option either continue the study of the modern language presented for admission to college, or begin the study of the other in case they have not previously pursued it. Those who have sufficient knowledge of either language are assigned to classes still further advanced.

*Mathematics*—*Geometry*: Planes, Polyhedrons, Cones, Cylinders, and Spheres. Projection of figures with exercises on Models. Text-book, Phillips and Fisher's *Geometry*.

*Plane Trigonometry*: Solutions of Triangles, Mensuration, and Surveying. Text-book, Wentworth's *Trigonometry*.

*Mechanics*: The elementary principles of Kinematics, Kinetics (or Dynamics), and Statics, in reference to solid bodies, with practical applications. Text-book, Glazebrook's *Mechanics*.

*English Literature*—Three hours a week through twelve weeks. Six plays of Shakespeare.

## SOPHOMORE YEAR

Each member of the Sophomore class is required to choose five of the six following courses. In course III either French or German may be taken, but not both.

- I. *Greek*—The *Seven against Thebes* of Aeschylus; the *Antigone* of Sophocles; the *Medea* of Euripides; the *Frogs* of Aristophanes; lectures on the origin and history of the Athenian Drama, and on the Greek Theatre.

In reading these works, special attention is paid to the structure of the poems and their literary quality, to poetic words, forms, arrangement of words, rhythm, and constructions. Grammatical questions are discussed rarely, except as they are important for the interpretation and illustration of the author's meaning.

- II. *Latin*—The *Odes* and *Epodes* of Horace, the *Agricola* and *Germania* of Tacitus, and several plays of Plautus.

These works have been selected on account of the permanent value and variety of their subject-matter and literary form, and because they illustrate the language and literature at important stages in their development, and represent different periods of Roman history and types of Roman life and character. The class-room treatment is largely literary and historical. In addition to the above texts, a considerable amount of Latin is read at sight.

- III. (a) *French—Advanced Course*. Reading of French prose from A. Dumas, P. Loti, H. Taine, and others, in Luquiens' *Places and Peoples*, and, in verse, Racine's *Britannicus*, V. Hugo's *Ruy Blas*, and Ponsard's *Lion Amoureux*. Alternately with the reading, exercises in composition and, whenever possible, in conversation.

*Second-Year Course* (for students who began French in the Freshman year). Reading of French prose from standard authors on varied topics. A short course in syntax accompanied with exercises in composition and oral practice.

*Beginners' Course*. Practice in pronunciation, early reading of easy French, and a careful study of the main facts of grammar.

- III. (b) *German—Advanced Course*. Rapid reading of selections from history, political writings and literary criticism taken from the works of contemporaneous historians and critics. The object of the course is to acquaint the student more fully with the historical and critical vocabularies and styles, and to prepare him to use German in the work of later advanced courses.

Through the year weekly exercises in German composition.

*Second-Year Course.* Reading of short stories by Riehl, Heyse, and Keller; of a comedy, lyric poems, and selections from historical prose taken in part from a short history of German literature. Practice in writing German. Study of word-formation.

*Beginners' Course.* Grammar. Translation from German into English, and elementary exercises in translating into German. Practice in pronunciation. The course is intended to give to the student a knowledge of such grammatical elements as will enable him to read easy German at sight and to put easy English sentences into German. The reading is of simple narrative prose.

- IV. (a) *English Literature.* Two hours a week. The following standard authors are read: Spenser—Book i, *Faery Queene*. Shakespeare—*Othello*, *King Lear*, *Hamlet*. Milton—the *Minor Poems*, and the first two books of *Paradise Lost*. Addison—selections from the *Spectator*. Swift—*Gulliver's Travels*, and many short pieces. Pope—*Rape of the Lock*, *Epistle to Dr. Arbuthnot*, and other poems. Gray—selections from his poetry and prose. In connection with the study of these authors an outline history of English literature will be used.

(b) *Rhetoric*—Recitations and lectures, one hour a week; frequent essays, with regular hours for criticism.

- V. *Physics*—A general course commencing with the properties of Liquids and Gases, and going on with the subjects of Sound, Heat, Light, and Electricity. Experimental illustrations are introduced freely in the class-room. Ganot's *Physics* (14th edition) is used as the text-book.

- VI. *Mathematics*—There will be two sections in this subject as follows:

SECTION I. Graphic Algebra, the elements of Analytical Geometry, and the introductory principles of the Differential and Integral Calculus with simple applications. All who purpose to make a more extended study of pure Mathematics, to do advanced work in Physics or in any of the subjects which involve graphical or analytical methods, will need this course as a foundation for their future work.

SECTION II. Spherical Geometry and Trigonometry, Applications of Trigonometry to Surveying, Navigation and Nautical Astronomy, Instruction in the use of the Sextants.

*Elocution*—An extra elective course of one hour per week is offered to the Sophomore Class in the second term. This course includes lectures on the Science and the Art of Elocution, practice in speaking and reading by small subdivisions, and private individual practice for the "honor men" chosen to contest for the prizes for declamation and reading.

## JUNIOR AND SENIOR YEARS

Courses covering thirty hours must be satisfactorily completed by each student in Junior and Senior years in order to be recommended for a degree. Every member of the Junior class is required to take not less than fifteen hours and not more than eighteen hours per week of class-room work.

The *prescribed* studies of Junior year occupy three hours per week, and those of Senior year two hours per week.

## PRESCRIBED STUDIES OF JUNIOR YEAR

*Logic*—Jevons' *Elements of Logic* (Hill's Ed.); exercises in the criticism of arguments; lectures.

*Psychology*—Ladd's *Outlines of Descriptive Psychology*; lectures.

*Ethics*—Lectures; required readings.

## PRESCRIBED STUDIES OF SENIOR YEAR

*Philosophy*—One course in this department of study, two hours per week throughout the year, is prescribed. The particular course taken is left, however, to the choice of the pupil from a list of four or more courses. Under the term Philosophy, as here used, is included the study of psychology, ethics, and the history of philosophy.

## ELOCUTION

*Junior Year, First Term*—An extra elective course of one hour per week in advanced oratorical speaking, or Shakespearean readings. Special preparatory training for the TenEyck Prize Speaking at the Junior Exhibition.

*Senior Year*—Special preparatory training of the speakers for the DeForest Prize in Oratory.

## ELECTIVE COURSES

All members of the *Junior Class* are required to select for their studies not less than fifteen nor more than eighteen hours of elective work per week. All members of the *Senior Class* are required to select for their studies a number of hours per week which, in addition to those chosen and passed satisfactorily at the end of Junior year, will bring the total number up to thirty hours.

JUNIORS are required to take course 1.

SENIORS are required to choose one of the four courses, 3, 4, 5, 6.

Asterisked courses (\*) can be chosen only with the written consent of the instructor.

# 1. PSYCHOLOGY; ETHICS; PHILOSOPHY

1 *Logic, Psychology, and Ethics (elementary course).* 3 hrs.

(a) I, IV, Monday and Thursday, 8.30; II, V, Tuesday and Friday, 8.30; III, Wednesday and Saturday, 8.30, in B<sub>1</sub> O, A<sub>2</sub> O; (b) I, Monday, 8.30; II, Tuesday, 8.30; III, Wednesday, 8.30; IV, Thursday, 8.30; V, Friday, 8.30; VI, Saturday, 8.30, in A<sub>0</sub> O.

Professors DUNCAN and SNEATH, and Dr. STEARNS.

(a) *Elements of Logic and Psychology.* 2 hrs.

B<sub>1</sub> O and A<sub>2</sub> O.

Professors DUNCAN and SNEATH.

In this course systematic instruction is given in the elements of logic and general psychology. Text-books: Jevons' *Elements of Logic* (Hill's ed.); Ladd's *Outlines of Descriptive Psychology*.

(b) *Elements of Ethics (theoretical and practical).* 1 hr.

A<sub>1</sub> O.

Dr. STEARNS.

A course of expository lectures, with required readings and recitations, on the elements of ethics, theoretical and practical.

[2 *Introduction to Philosophy.* [Seniors.] 2 hrs.

Professor LADD.

This course of lectures is designed to present, in an elementary and summary way, the principal philosophical problems. It may properly be taken by all who desire any acquaintance with philosophy as a means of culture. It is also recommended to those who seek for a general introduction to the more special or advanced study of philosophy. The order of topics followed will be based upon some book giving a general treatment of the subject, supplemented by other reading.

During the latter half of the course special emphasis will be laid upon the philosophy of life and of conduct, in connection with the discussion of problems in Ethics, Aesthetics, and the Philosophy of Religion.

Not given in 1899-1900.]

3 *The Principles of Evolution.* [Seniors.] 2 hrs.Wednesday and Saturday, 8.30, A<sub>1</sub> O.

Professor WILLIAMS.

A discussion of the underlying facts, the methods of scientific research, and the philosophical problems upon which the modern philosophy of evolution is founded.

4 *History of Modern Philosophy.* [Seniors.] 2 hrs.Wednesday and Saturday, 11.30, A<sub>2</sub> O.

Professor DUNCAN.

An elementary study of the development of speculative thought from Descartes to the present time, with cursory reading of philosophical masterpieces from Descartes to Kant: Descartes' *Method* and *Principles of Philosophy*, pt. I; Bacon's *Novum Organum*; Spinoza's *Ethics*—selections; Locke's *Essay on Human Understanding*—selections; Leibnitz's *Monadology* and *Philosophical Opuscles*; Berkeley's *Principles of Human Knowledge*; Hume's *Inquiry concerning Human Understanding*; Reid's *Inquiry into the Human Mind*; Kant's *Prolegomena to any Future Metaphysic*. This course (which is largely a lecture course, with frequent written exercises on the texts, read and occasional examinations on both the lectures and texts), while intended primarily for general culture, also aims to be an introduction to the more special study of philosophy in its various branches and problems.

5 *Philosophical Anthropology.* [Seniors.] 2 hrs.Monday and Thursday, 10.30, A<sub>2</sub> O.

Professor SNEATH.

This course furnishes an outline study of man, his body and mind in their relations, his relations to nature, to his fellows, and to God. The course is based upon Lotze's *Microcosmus*.

6 *Outlines of General Philosophy.* [Seniors.] 2 hrs.Wednesday and Saturday, 11.30, A<sub>2</sub> O.

Dr. GREEN.

This course will aim to furnish the student with a knowledge of the main problems of general philosophy, and to acquaint him with the various answers which have been given to these prob-

lems. Selections from various authors will be read : Paulsen's *Introduction to Philosophy*, Bowne's *Theory of Thought and Knowledge*, Seth's *A Study of Ethical Principles*, Knight's *Philosophy of The Beautiful*, and Fraser's *Philosophy of Theism*. The course will consist of recitations, discussions, and lectures.

[7 *Abnormal Psychology*.

1 hr.

Professor LADD.

This course of lectures is designed to supplement course 1 and to discuss especially the physiological conditions and mental phenomena of sleep, dreams, and hypnotic, somnambulistic, and other allied states. The theory of illusions and hallucinations will be treated with considerable detail.

Not given in 1899-1900.]

8 *Popular Discussions in Philosophy*.

[Seniors.] 1 hr.

Thursday, 9.30, B<sub>1</sub> O.

Professor DUNCAN.

A course in philosophical criticism, intended to develop and train the critical spirit ; to deepen interest in the more profound themes of philosophy by showing their connection with popular life and thought ; and to vindicate sound psychology and a theistic and Christian philosophy from the perennial misconceptions to which they are exposed. To this end some of the popular philosophical papers of Huxley, Tyndall, Clifford, Spencer and others will be read and freely discussed. Considerable attention will be given to some of the philosophical aspects of the Theory of Evolution, and those who take the course are recommended to take course 3, given by Prof. H. S. Williams.

9 *Epistemology*.

[Seniors.] 2 hrs.

Friday, 9.30-11, B<sub>1</sub> O.

Professor DUNCAN.

The nature and conditions of formal truth will be studied in connection with the reading of an advanced work on logic, such as Hobhouse's *Theory of Knowledge*. This will be followed by a study of the psychology of knowledge and by an examination of the nature, limits, and grounds for the validity of our knowledge of reality. Professor Ladd's *Philosophy of Knowledge* will be read in connection with the latter part of the course.



- 10 *Philosophy and Literature.* 1 hr.

Wednesday, 9.30, A. O.

Professor SNEATH.

This course will consider the nature and the problems of philosophy as presented in the writings of distinguished men of letters. The works of the following authors will be specially considered: Coleridge, Carlyle, Tennyson, and Browning. The course will be preparatory and supplementary to the philosophical courses of the Senior year.

- 11 *Psychology (Physiological and Experimental).* 2 hrs.

Tuesday and Thursday, I at 2.00, II at 4.00,

Psychological Laboratory.

Dr. SCRIPTURE.

A general course illustrated by physiological and psychological experiments. Text-books: Ladd's *Outlines of Physiological Psychology*; Scripture's *New Psychology*.

- 12 *Psychology (Elementary Laboratory Course).* 2 hrs.,

to count as 1 hr.

Friday, 4.00-5.50, Psychological Laboratory.

Dr. SCRIPTURE.

This series of exercises in experimental psychology affords a training similar to that of an elementary course in chemistry or physiology. The course can be taken only in connection with or in sequence to course 11.

- 13 *Ancient Philosophy.* 2 hrs.

Tuesday and Friday, 10.30, A. O.

Dr. STEARNS.

This is an elementary course designed to meet the wants not only of the student who desires, in the way of general culture, to know something about the scientific thoughts of the Greeks, which have so greatly determined the course of history, but also of the student who wishes an historical basis for his philosophical studies.

- 14 *Plato's Philosophical System.* [Seniors.] 2 hrs.

Wednesday and Saturday, 9.30, A. O.

Dr. STEARNS.

Nearly all the well-authenticated Dialogues will be read and thoroughly discussed, with a view to determining as far as possible Plato's opinions upon the principal philosophical questions. Especial attention will be given to the theory of *Ideas*. Jowett's translation of the Dialogues is used as a text-book.

- 15 *History and Theory of Education.* 2 hrs.  
Monday, 2.00, and Friday, 3.00, B. O.

Dr. GREEN.

This course will comprise readings and lectures on the history and theory of modern education. The bearing of psychology upon methods of teaching and curricula will be considered, followed by a study of the works of the great educational Reformers, closing with a critical study of present theory and practice. The course is especially but not exclusively adapted to all who intend to engage in educational work.

- [\*16 *Ethical Seminary.* [Seniors.] 2 hrs.

Professor LADD.

The principal topics in the philosophy of conduct will be studied in detail; such as the origin and development of moral consciousness, the conceptions of duty, virtue, and the moral law, the motive, grounds, and sanctions of the right, and the different "schools" of ethical writers. The method of study combines lectures with papers and discussions by the class, and special research work for those who desire to investigate more thoroughly the literature of the particular subjects.

Not given in 1899-1900.]

- [\*17 *Kant Seminary.* [Seniors.] 2 hrs.

Professor LADD.

A thorough study of the *Critique of Pure Reason* and, if time permits, a less thorough study of the *Critique of Practical Reason*. After an expository and critical lecture, a paper upon a topic given out some time in advance will be read, to be followed by discussion on the part of both teacher and class. The effort will constantly be made to understand Kant's system of thinking in the light of the history of opinion since his time, and especially of opinion upon the same subjects in the present day.

Not given in 1899-1900.]

- \*18 *Advanced Psychology.* [Seniors.] 2 hrs.

Tuesday, 9.30-11.00, B. O.

Professor DUNCAN.

A course in general psychology which aims at a detailed study of the phenomena of mental life from the scientific point of view. Sully's *Human Mind* will be read, with constant refer-

ence to Ladd's *Psychology, Descriptive and Explanatory*, James's *Principles of Psychology*, and the works of other leading modern authors; and the reading will be accompanied by papers, discussions, and lectures.

\*19 *Philosophy of Mind.*

[Seniors.] 1 hr.

Tuesday, 11.30, A. O.

Professor SNEATH.

Beginning with the facts and laws established by empirical psychology, this course aims at the construction of a metaphysic of mind. The following are some of the subjects treated: The concept of mind; the reality, nature, genesis, and destiny of mind; the relations of mind and body; materialistic objections, etc. The course will be based on Ladd's *Philosophy of Mind*.

\*20 *Psychology (Advanced Laboratory Course).*

1 hr.

Wednesday, 4.00, Psychological Laboratory.

Dr. SCRIPTURE.

A preparatory study of Fisher's *Infinitesimal Calculus* is followed by lectures on the theory of measurements and a series of exercises.

\*21 *Psychology of Expression (Gesture, Speech, and Music).*

1 hr.

Wednesday, 3.00, Psychological Laboratory.

Dr. SCRIPTURE.

An experimental study of expression of thought and emotion as shown in facial expression, in gesture, in rhythmic movements, in prose and poetical speech and in musical rhythm.

\*22 *Pre-Socratic Philosophy.*

[Seniors.] 2 hrs.

Monday and Thursday, 9.30, A. O.

Dr. STEARNS.

The sources and remains of the earliest Greek philosophy are critically examined and interpreted with a view to explain the origin and first developments of that line of reflective thinking which has had most influence upon modern scientific and philosophical ideas and problems.

- \*23 *Psychology of Aristotle.* [Seniors.] 2 hrs.

Friday, 3.00-4.50, B<sub>1</sub> O.

Dr. STEARNS.

The *De Anima* will be translated and interpreted. The course will serve to acquaint the student with Aristotle's peculiar philosophical terminology and with the underlying conceptions in his entire system of thinking. The consideration of the more distinctly psychological doctrines will afford an opportunity to point out their implicates in preceding thought, to show their subsequent development, and to criticise them in the light of modern science. The seminar method will be adopted.

- \*24 *Locke's Essay concerning Human Understanding.*

[Seniors.] 1 hr.

Friday, 11.30, A<sub>1</sub> O.

Dr. GREEN.

A careful study of this great classic of empiricism is undertaken and an attempt made to estimate its value and its influence upon subsequent thought. Professor Fraser's new critical edition of the *Essay* and Mr. Langley's translation of Leibnitz's *Critique of Locke* are used, and Leibnitz's criticisms are compared with those of the more important of Locke's other exponents and critics, such as Lee, *Anti-scepticism*; Cousin, *Philosophy of Locke*; Green, *Introduction to Hume*; Webb, *Intellectualism of Locke*, etc.

- \*25 *Aesthetics.*

[Seniors.] 1 hr.

Monday, 2.00, B<sub>1</sub> O.

Dr. DAVIES.

The object of this course is to review the history of thought on the subject of the beautiful; to give a philosophical account of the foundations upon which the arts rest; and to study scientific art-theory in its relation to general philosophical system. M. Bosanquet's *History of Aesthetics*, Mr. Rutgers Marshall's *Pain, Pleasure, and Aesthetics*, and other works, will be read in connection with the course.

## II. POLITICAL SCIENCE AND LAW

30 *Economics.* 3 hrs.

Lectures: Wednesday and Saturday, 11.30. 12 divisions,  
Monday to Saturday, 8.30.

## President HADLEY and Professor SCHWAB.

Two hours a week will be devoted to lectures,—for two-thirds of the year by President Hadley on the general problems of production, exchange and distribution of wealth; for the remaining time by Professor Schwab on money and monetary questions. The third hour will be occupied by a quiz-exercise in small sections under an assistant.

Text-books: Hadley's *Economics* and Jevons' *Money and the Mechanism of Exchange*.

31 *Statistics.* 2 hrs.

Monday and Thursday, 12.30.

## Dr. BAILEY.

The sources and reliability of statistical data are discussed, and the methods of distinguishing true and false inferences are pointed out. Index numbers are studied, and the lectures treat of statistics of population, crime, suicide, property, etc. The attempt is made to determine the laws which govern the group actions of men.

Mayo-Smith's *Statistics and Sociology* is used as a basis.

The following courses (32 to 38 inclusive) are open only to those who have already studied elementary economics.

32 *Finance.* [Seniors.] 3 hrs.

Monday and Thursday, 11.30, A, O; divisions

I, Monday, 8.30.

II, Wednesday, 8.30.

III, Friday, 8.30.

IV, Tuesday, 12.30.

## Professor SCHWAB.

A course on Money, Banking, and Finance. Two hours a week will be devoted to lectures, one hour a week to quiz-exercises in small sections under Dr. Bailey.

Text-books: White, *Money and Banking*; Dunbar, *Banking*; Greene, *Corporation Finance*, and Plehn, *Public Finance*.

33 *United States Industrial History.* [Seniors.] 3 hrs.

Tuesday and Friday, 11.30, A, O ; divisions

I, Tuesday, 8.30.

II, Wednesday, 12.30.

III, Saturday, 8.30.

IV, V, Saturday, 9.30.

**President HADLEY and Professor SCHWAB.**

A course on the history of the tariff legislation and industrial development of the United States. Two hours a week will be devoted to lectures—for two-thirds of the year by Professor Schwab on tariff history, foreign commerce and industrial organization ; for the remaining time by President Hadley on railroads. The third hour will be occupied by a quiz-exercise in small sections under Dr. Bailey.

Text-books : Taussig, *Tariff History of the United States* (edition 1898) ; Hobson, *Evolution of Modern Capitalism* ; Hadley, *Railroad Transportation*, and Newcomb, *Railway Economics*.

34 *Mathematical Economics.* [Seniors.] 2 hrs.

Wednesday and Saturday, 10.30.

**Mr. GAINES.**

The course is prefaced by a few lessons in elementary calculus. These are followed by the analysis of : I, value and prices ; II, general price-levels ; III, effects of "appreciation" and "depreciation," with statistical discussion ; IV, bimetallism and other currency schemes, with especial reference to the experience of France, Austria, and India ; V, international trade ; VI, capital and interest ; VII, distribution.

Cournot's *Mathematical Theory of Wealth* and Fisher's *Introduction to the Calculus ; Value and Prices ; and Appreciation and Interest*, are used as a basis. Reading is also assigned in other works, especially recent investigations. Special papers are read by members of the class.

35 *Debates on Public Questions.* [Seniors.] 2 hrs.

Tuesday, 4.00 to 5.50.

**Dr. RAYNOLDS.**

Members of the class will be expected to organize debates each week on subjects of public interest ; to prepare and interchange briefs, and argue the questions at issue on the basis of special study and investigation.

- 36 *Theories of Distribution.* [Seniors.] 2 hrs.  
Friday, 2.00 to 3.50.

Professor J. B. CLARK.

A comparative study of theories of the Distribution of Wealth. An outline of recent theories of Wages, Interest and Profits is presented and is compared with the doctrines of Adam Smith, Malthus, Ricardo, Senior, Mill and Cairnes. A study is made of the relation of changes in the processes of industry and in the structure of society to Economics as a science; and a view is afforded of the natural relation of the deductive method of study to the historical method. It is an object of the course to accomplish a certain constructive work, and to utilize the results of comparative studies in determining positive laws of distribution.

- 38 *United States Financial History.* [Seniors.] 1 hr.  
Wednesday, 12.30, E, O.

Professor SCHWAB.

An investigation course in the financial history of the United States. The periods selected for study are the years 1873-1900; and the topics investigated are those connected with the silver agitation.

- 40 *The Science of Society.* [Seniors.] 2 hrs.  
Monday and Thursday, 8.30, A, O.

Professor SUMNER.

An elementary course, with text-book lessons and examinations, in Anthropology and Ethnology, with the origin of civilization and the development of institutions.

In connection with this will be a course of lectures on Systematic Sociology [Societology]. Topics are: The organization of society; the individual and the social; social forces; militarism and industrialism; property; marriage, family, and the status of women; primitive notions in religion and philosophy; civil government, law and rights; slavery and classes; economic interests and their collisions; conditions of welfare; origin of moral standards; reaction of reason on experience. These topics are treated exclusively in the light of Historical Anthropology and Ethnology.

- 41 *The Science of Society*. [Seniors.] 2 hrs., to count as 3 hrs.  
Monday and Thursday, 8.30, A. O.

Professor SUMNER.

A course with a German text-book (Lippert's *Kulturgeschichte*; 2 vols., Stuttgart, 1887), for those who are able to read difficult German. The exercises are coincident with those of course 40, including the lectures as above.

[Those who take this course are responsible for providing themselves with the text-book before Sept. 28.]

- 45 *Jurisprudence and Law*. [Seniors.] 2 hrs.  
First term: Friday and Saturday, 12.30, A. O.

Mr. GAGER.

Lectures, recitations, private readings, and examinations on the following subjects: law in its relations to the origin, development, and government of political society; origin and development of customary law; relation of statute law to customary law; formation and development of codes of law; nature and origin of legal rights; principles of the law governing rights in land; principles of the law governing contract rights; the law of remedies for the violation of rights; origin and procedure of courts of law and equity; criminal law. The instruction in this course is designed to present an historical and philosophical view of the law in its great outlines, as common to all nations, and particularly as developed in the Anglo-Saxon race. In addition it is designed to show the practical methods which obtain in modern commercial transactions and the law as applied to them, and to point out the principal rights acquired, the duties owed, and the liabilities incurred in the every-day conduct of affairs.

To those exhibiting satisfactory evidence of having read the four books of Blackstone's *Commentaries* in connection with this course, a special examination in Blackstone will be given. All who satisfactorily pass such special examination will be entitled to a certificate of having completed the reading of Blackstone.

Second term: Friday and Saturday, 12.30, A. O.

Professor E. J. PHELPS.

Lectures upon American Constitutional Law and upon International Law. Text-books are read in connection with the lectures.

This course is not intended merely for those who are contemplating the study of the law as a profession, but for all who may be interested in the subjects as a branch of general education.



Students who pursue the course and pass the graduating examination thereon, are entitled to a certificate which in many States is accepted as counting a year in the period of study required for admission to the bar.

### III. HISTORY

#### 48 *Ancient Oriental Nations from the earliest times.* 2 hrs.

Monday and Thursday, 12.30, C<sub>1</sub> O.

Mr. F. W. WILLIAMS.

A comprehensive survey of the beginnings of civilization, and its development in the principal nations of antiquity, including Babylonia, Assyria, Egypt, Phoenicia, and Media. This course illustrates the connection of Biblical and profane history, discusses the origins of political and social institutions, religions, the arts and sciences, and the Asiatic sources of European civilization, and constitutes an introduction to the study of history.

#### 49 *Outline Survey of Ancient History.* 1 hr.

Wednesday, 9.30, 10 Phelps Hall.

Professor PERRIN.

Lectures, based on manual-study, outlining and emphasizing such general features of ancient history as are most valuable for the intelligent prosecution of medieval history. Oriental history is presented only as background and source for Greek and Roman history.

#### 50 *Medieval History.* [Juniors.] 2 hrs.

I, Monday and Thursday, 8.30.	} C Alumni Hall.
II, Monday and Thursday, 11.30.	
III, Tuesday and Friday, 8.30.	
IV, Tuesday and Friday, 11.30.	

Dr. COLLINS.

The object of course 50 is to furnish an outline of the general history of Europe, and to follow the development of political, intellectual, and religious civilization through the period which lies between ancient and modern history.

51 *History of Europe from the Reformation to the French Revolution.* 2 hrs

Monday and Thursday, 12.30, A<sub>1</sub> O.

Assistant Professor RICHARDSON.

This course will deal mainly with the growth of the European State system, the influence upon Europe of the colonial expansion, and the political and intellectual movements preparatory to the Revolutionary epoch. Some attention will also be given to the economic history of the period.

52 *History of Europe since 1789.* [Seniors.] 2 hrs.

I, Monday and Thursday, 11.30,	} C <sub>1</sub> O.
II, Monday and Thursday, 12.30,	
III, Tuesday and Friday, 8.30,	
IV, Tuesday and Friday, 11.30,	

Professor WHEELER.

Mainly political; introductory to European politics of our day.

55 *English Constitutional History.* [Seniors.] 2 hrs.

I, Monday and Thursday, 10.30,	} C Alumni Hall.
II, Tuesday and Friday, 9.30,	

Assistant Professor RICHARDSON.

Open only to those who have taken or are taking course 54. Particular attention will be given to the connection between English institutions and American, to the history of judicial institutions, and to the forms and operation of the present English government. The more important constitutional documents will be discussed in detail as well as such other contemporary sources as are accessible. While this course is of special value to those who intend to study law, the interest of the general student will also be kept in view.

58 *Medieval Asia and the Mohammedan Conquest.* 2 hrs.

Monday and Thursday, 11.30, C<sub>1</sub> O.

Mr. F. W. WILLIAMS.

The period studied in this course begins with the Parthian Empire, follows the rise and extension of the New Persian Monarchy, or Kingdom of the Sassanidae, to its overthrow by the Mohammedans, and traces the spread of Islam East and West through the Middle Ages to the height of its power. It both concludes the ancient history of Western Asia and shows the Asiatic influences in European history down to modern times.

59 *Modern Asiatic History.*

2 hrs.

Tuesday and Wednesday, 12.30, C<sub>1</sub> O.

Mr. F. W. WILLIAMS.

A course embracing successively the regions of India, Japan, China, and Central Asia, with particular regard to their history since the 17th century, their governments, and their relations with European powers. The culture, faiths, and sociology of existing nations in the Far East are here considered with a view of interesting those whose historical knowledge is confined to the Western world. The course is designed to stimulate further reading by students in special topics suggested by the instructor, upon which written essays will be presented and discussed. It also offers an opportunity for those contemplating missionary careers to acquaint themselves with the political and social condition of the more important foreign missionary fields.

60 *American History (Constitutional).* [Seniors.] 2 hrs.

I, Monday and Thursday, 10.30,	} D <sub>2</sub> O.
II, Monday and Thursday, 11.30,	
III, Tuesday and Friday, 8.30,	

Professor C. H. SMITH.

An historical study of the Federal Constitution, mainly of the articles relating to the Legislative and Executive departments of the Government. Special attention will be given to the plans of the Framers of the Constitution, and the way in which those plans have been carried out or changed in practice. The influence of prominent men upon the course of constitutional development will be carefully considered. The books chiefly used by the class will be the *Federalist*, and Bryce's *American Commonwealth*.

61 *American History (Colonial).*

2 hrs.

Tuesday and Friday, 9.30, C<sub>2</sub> O.

Professor BOURNE.

This course will deal with the history of the American Colonies from the beginning of the discoveries until the end of the American Revolution. The nature and objects of colonies, the character and aims of the colonists, the political and social development of the colonial communities, and the causes of the Revolution will be the leading topics. The work of the course is based on Hart's *American History told by Contemporaries*, vols. i and ii.

62 *American History (National).* [Juniors.] 2 hrs.I, Monday and Thursday, 9.30, A<sub>2</sub> O.II, Monday and Thursday, 10.30, A<sub>1</sub> O.

Professor BOURNE.

The Political History of the United States from 1783 to 1877. The formation of the Union, the rise and growth of parties, the development of democracy, the influence of the westward expansion and of slavery on political life, and the origin and significance of the more important economic questions will be discussed. Lectures, outside reading and bibliographical practice.

## IV. MODERN EUROPEAN LANGUAGES AND LITERATURES

## COURSES IN THE ROMANCE LANGUAGES

\*70 *Second-Year French.* 3 hrs.Tuesday, Wednesday, and Friday, 9.30, D<sub>1</sub> O.

Mr. TAYLOR.

Reading from standard French authors; a short course in French syntax accompanied by exercises in composition and oral practice. This course is open to students who have had only one year of French.

\*72 *Practice in writing and speaking French.* 2 hrs.Tuesday and Friday, 9.30, E<sub>1</sub> O.

Mr. SANDERSON.

An advanced course in French grammar, translation and composition, conducted in French. Open to students who have had at least two years of French and can satisfy the instructor of their fitness.

[73 *Systematic Readings in the French Literature of the xviii<sup>th</sup> Century.* 2 hrs.

Mr. SANDERSON.

During the first term the readings will be from such authors, whether from the xviii<sup>th</sup> century or from later days, as will allow the student to form an idea of French society in that period.

The rest of the year will be devoted to readings from the dramatists, Corneille, Racine, Molière. Occasional papers on outside reading required during the year. Open to students who have taken Sophomore French or its equivalent.

Omitted in 1899-1900.]

74 *Systematic Readings in the French Writers  
of the sixteenth Century.*

2 hrs.

Tuesday and Friday, 10.30, E<sub>1</sub> O.

Mr. SANDERSON.

Study of representative works beginning with V. Hugo and the French Romanticists and reaching as near the present day as time will allow. The reading will be in such order and accompanied by such comments and lectures as may give a clear view of French literary thought in our century. Open to students who have taken Sophomore French or the equivalent.

\*75 *French Literature of the sixteenth Century.*

3 hrs.

Monday, Wednesday, and Thursday, 10.30, E<sub>1</sub> O.

Mr. SANDERSON.

This course covers the same ground as course 74, but is conducted in French, all exercises, written and oral, being intended to impart a command of the language as well as a knowledge of the literature. Open to students who have taken Sophomore French with credit or can satisfy the instructor that they are qualified.

[\*76 *French Literature of the seventeenth Century.*

2 hrs.

Mr. SANDERSON.

A study of the revival of French letters which followed the Italian Renaissance and the Reformation. The course will begin with a brief survey of the linguistic facts pertaining to that period and continue with the study of the poets, Marot, Ronsard, etc., and of the prose writers, especially Rabelais and Montaigne.

This course is primarily for graduate students, but is open to Seniors who have taken previously at least one elective in French literature.

Omitted in 1899-1900.]

\*78. *French Literature of the xviii<sup>th</sup> Century.* 2 hrs.

Monday and Thursday, 11.30, E, O.

MR. SANDERSON.

First, a study of the writers who continue or modify the dramatic traditions inherited from the xviii<sup>th</sup> century, Regnard, Marivaux, Voltaire, Diderot, etc. ; but the main part of the course is devoted to a study of the evolution of French thought as manifested in the works and the influence of Montesquieu, Voltaire, Diderot, J. J. Rousseau.

This course will be conducted in French, and is open to graduate students and such Seniors as have satisfactorily passed course 72 or 75.

80. *Spanish (elementary course).* 3 hrs.

Monday, Wednesday, and Thursday, 9.30, K, O.

Professor LANG.

In this course, stress will be laid on the acquisition of a good pronunciation and on such a mastery of the grammar as shall lead to a ready and accurate reading knowledge, which is the leading aim of the instruction.

Knapp's *Spanish Grammar* ; Alarcon's *El Final de Norma* and Perez Galdós' *Doña Perfecta* will be used as text-books.

[\*81. *Spanish Drama of the xv<sup>th</sup> and xviii<sup>th</sup> Centuries.* 2 hrs.

Professor LANG.

This is a literary course, open only to such students as have passed through course 80 or who shall satisfy the instructor of their fitness by passing a special examination, evidence of which, in writing, must accompany the choice of the course. Guillen de Castro's play *Las Mocedades del Cid* (edited by E. Mérimée, Toulouse, 1890) and *Select Plays of Calderon* (edited by Norman Maccoll, London, 1888) will be read, and lectures given on the origin and development of dramatic art in Spain.

This course is omitted in 1899-1900, but will be given in 1900-1901.]

82. *Spanish Fiction of the xv<sup>th</sup> and xviii<sup>th</sup> Centuries.* 2 hrs.

Tuesday and Friday, 9.30, K, O.

Professor LANG.

Study of the novel in the golden age of Spanish literature, based on the reading of selections from works of the sixteenth

century, but especially on Cervantes' *Don Quixote* (edition of Garnier Hermanos, Paris, 1875).

In regard to admission to this course, see course 81.

85 *Italian (elementary course).* 3 hrs.

Tuesday, Wednesday, and Friday, 8.30, E, O.

Mr. HOLBROOK.

This course is open to those who have had Sophomore French, or who shall otherwise satisfy the instructor of their fitness to take Italian. Stress will be laid on the acquisition of a good pronunciation and on such a mastery of the grammar as shall lead to a ready and accurate reading knowledge, which is the leading aim of the instruction.

Grandgent's *Italian Grammar* and Grandgent's *Composition*; Bowen's *Italian Reader*; Clapin's edition of Silvio Pellico's *Le Mie Prigioni*; Baragiola's edition of Goldoni's *Burbero Benefico*; Pellico's *Francesca da Rimini*; Bianchi's edition of the *Vita di Benvenuto Cellini scritta da lui medesimo*.

\*86 *Dante's Life and Works.* 1 hr.

Saturday, 9.30, K, O.

Professor LANG.

This is a strictly literary course, open only to those who have passed through course 85, or who shall otherwise satisfy the instructor of their fitness to take it.

After some introductory lectures on Italian poetry previous to Dante, and its relations to the literatures of Provence and of France, the *Vita Nuova* and selections from the *Divina Commedia* will be read and explained.

Students will provide themselves with A. D'Ancona's edition of *La Vita Nuova* (2d ediz., Pisa, 1884), Fraticelli's edition of *La Divina Commedia* (Firenze, 1886) and Scartazzini's *Companion to Dante* in Butler's translation (London, Macmillan Co., 1893).

[\*89 *Petrarch.* 1 hr.

Professor LANG.

This course will consist in a study of Petrarch's *Rime* and of his influence as the leader of the humanistic movement. Portions of the *Rime* will be read and explained in class, and additional reading and study assigned to be done in private.

Students will provide themselves with G. Rigutini's edition of *Le Rime* di Francesco Petrarca (Milano, Hoepli, 1896) and T. Casini's *Le Forme metriche italiane* (2d ediz., Firenze, 1890).

This course is omitted in 1899-1900, but will be given in 1900-1901.]

#### COURSES IN THE GERMANIC LANGUAGES

##### 90 *Second-year German.* 3 hrs.

I, Monday, Wednesday, and Friday, 9.30, F<sub>1</sub> O.

II, Monday, Wednesday, and Friday, 10.30, F<sub>1</sub> O.

Professor GRUENER and Mr. H. A. FARR.

Reading of short stories, a comedy, lyric poems, and selections from historical prose taken in part from a short history of German literature; practice in writing German; study of word-formation. Students who have already had one year of German, and wish to continue its study, will choose this course, which is open only to those who have taken elementary German in Freshman or Sophomore year, and to those who have passed the admission examination in German.

##### 91 *Schiller, Works and Life.* 2 hrs.

Tuesday and Friday, 9.30, F<sub>1</sub> O.

Professor GRUENER.

Rapid reading of plays, poems, and prose writings of Schiller, with study of his life. The object of this course is to acquaint the student more fully with the vocabulary and style of standard German literature, and to present Schiller's character and influence as a writer and thinker. Course 91 is open only to those who have previously had at least two years of German.

##### 92 *Prose of Modern Historians and Critics.* 2 hrs.

Tuesday and Thursday, 1st term, 5 P. M., 2nd term, 2 P. M.  
F<sub>1</sub> O.

Professor GRUENER.

Rapid reading of selections from history, political writings, and literary criticism. The object of this course is to acquaint the student more fully with the historical and critical vocabularies and styles. Course 92 is open only to those who have previously had at least two years of German.



[94 *Scientific German.*

2 hrs.

Professor PALMER.

Rapid reading of extracts and monographs treating of subjects in natural science. The object of this course is to introduce the student to the more general vocabulary of modern scientific German. Course 94 is open only to those who have previously had at least two years of German.

Omitted in 1899-1900.]

95 *German Composition and Conversation.*

3 hrs.

Tuesday, Wednesday, and Friday, 10.30, F. O.

Assistant Professor OERTEL.

For practice in speaking and writing. Course 95, conducted in German, is especially intended for those who look forward to teaching German and open to those only who have done superior work in German. Translation into German of narrative prose and of selections from history and literature; during the second term, also original essays; special topics are assigned for discussion in German.

96 *Goethe, Works and Life.*

3 hrs.

Tuesday and Thursday, 9.30, F. O.; Friday, 117 N.

Professor PALMER.

One hour each week will be devoted to the shorter poems; two hours to prose and longer poetical works. The course aims, as far as its limits will permit, to present Goethe through his works. Accordingly the selections of poems and other writings will be a chronological one. Of the longer works *Götz von Berlichingen* will be read first, in connection with which a study of *Der junge Goethe* will be made. *Werther*, *Iphigenie*, *Faust I* and *II* will follow, with a study of the maturer Goethe. Discussion of the leading essays in English upon Goethe, *Conversations with Eckermann* read in selections and an estimate of Goethe as a man and writer, based chiefly upon the work done during the year, will end the year's work. Occasional lectures.

Course 96 is open only to those who have previously had at least two years of German, and ordinarily would be taken best after three years of German.

[97 *Lyrics and Ballads.* 2 hrs.]

Professor PALMER.

Reading of a large amount of representative German lyric and ballad poetry with critical study of characteristic features in different authors and periods. The text-books will be Buchheim's *Deutsche Lyrik*, Buchheim's *Balladen und Romansen*, Busse's *Neuere Deutsche Lyrik*, White's *Deutsche Volkslieder*, Kinzel's *Walther von der Vogelweide und Des Minnesangs Frühling*. Course 97 is open only to those who have previously had at least two years of German.

Omitted in 1899-1900.]

98 *History of German Literature, 1624-1832.* 2 hrs.]

Monday and Thursday, 10.30, F. O.

Professor PALMER.

The development of German literature will be studied from the time of Opitz to Goethe's death. The text-books will be: Kluge's *Geschichte der deutschen National-Litteratur*, Scherer's *History of German Literature*, Max Müller's *German Classics*, and Hillebrand's *German Thought from the Seven Years' War to Goethe's Death*. Course 98 is open only to those who have previously had at least two years of German, and ordinarily would be taken best after three years of German.

[\*99 *Introduction to Germanic Philology.* 2 hrs.]

Professor PALMER.

A course introductory to the general study of Germanic philology, dealing with its history, methods, fields and fundamental facts. The basis of the work will be Paul's *Grundriss der Germanischen Philologie*, of which portions will be read, discussed and supplemented by informal lectures.

Omitted in 1899-1900.]

\*100 *Gothic.* 2 hrs.]

Professor PALMER.

An introductory course, especially for those intending to study German or English historically, in the study of Gothic and its phonological relations both to earlier Indo-Germanic and to later Germanic languages. Braune's *Gotische Grammatik*, and Streitberg's *Gotisches Elementarbuch*, or Wright's *Gothic Language Primer*, Heyne's *Ulfilas*, Streitberg's *Urgermanische Grammatik*, and Henry's *Comparative Grammar of English and German*.

\*101 *Old High German and Old Saxon.*

3 hrs.

Professor PALMER.

A rather detailed course in the oldest German dialects and literature. Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch*; Gallée's *Altsächsische Grammatik* and Behaghel's *Heliand*.

[\*102 *Middle High German.*

3 hrs.

Professor GRUENER.

Hartmann; *Der arme Heinrich* and *Iwein*. *Nibelungenlied*. Selected poems of Walther von der Vogelweide. Selections from Wolfram von Eschenbach's *Parzival*. Lectures and papers.  
Omitted in 1899-1900.]

\*103 *German Literature of the Reformation-Period*  
(1500-1624).

3 hrs.

Professor GRUENER.

The development of German literature will be studied from the beginning of the Reformation to the time of Opitz. Characteristic works of the important writers of the period are read, chiefly for literary purposes, though also with reference to the political, social, and religious conditions of the times.

[\*104 *Old Norse (Icelandic).*

3 hrs.

Professor PALMER.

Grammar, and reading in the Sagas and the Elder Edda.  
Omitted in 1899-1900.]

105 *Swedish.*

2 hrs.

Professor PALMER.

The object of this course is to lay the foundation for a reading and practical knowledge of the language. Together with the study of the grammar, there will be read selections from the writings of modern authors.

## COURSES IN ENGLISH

The arrangement of the courses is approximately chronological, save for three rhetorical courses at the beginning, and three general courses at the end.

\*106 *Rhetoric (twelve essays).* [Juniors.] 2 hrs.

Tuesday and Friday, 10.30, 176 Lyc. (and 15 Wh.)

Assistant Professor BALDWIN.

Systematic practice in any prose form (except those of argumentation); e. g., (1) expository essays in connection with the research required for other elective courses; or (2) reviews and popular exposition; or (3) studies in narrative; or (4) daily themes; or (5) two or three of these forms in succession; lectures on style and on prose forms, especially narrative forms; regular appointments for criticism.

107 *Rhetoric (twelve essays).* [Juniors.] 2 hrs.

Tuesday and Friday, 10.30, 176 Lyc. (and 15 Wh.)

Mr. C. W. WELLS.

Essays and lectures in argumentation; analysis of famous speeches; subsidiary practice in research and debate; regular appointments for criticism.

[108 *Rhetoric (six essays).* [Seniors.] 1 hr.

Assistant Professor BALDWIN.

Lectures on the greater English essayists, with class study; essays in criticism. This course is open only to those who have completed course 106 or course 107.

Omitted in 1899-1900.]

109 *Old and Middle English.* 2 hrs.

Monday and Thursday, 10.30.

Professor COOK.

An elementary course in the beginnings and earlier development of the English language and literature. Reading is begun at the earliest practicable moment, and the study is made as literary in character as is consistent with a thorough grounding in the rudiments of the language. This course, while it is indispensable to all graduate students and future teachers of Eng-

lish, and will also be of service to students of English history and of the English Bible, is designed as well for those who, in the pursuit of general culture, are unwilling to remain ignorant of the foundations of the English language and literature.

110 *Chaucer.*

2 hrs.

Tuesday and Friday, 12.30.

Assistant Professor W. L. PHELPS.

A literary study of Chaucer. Most of the *Canterbury Tales*, the minor poems, and the *Troilus and Criseyde*, will be read in the class-room. Chaucer as a poet, metrist, literary artist, and delineator of character.

In connection with the *Knight's Tale* and the *Troilus*, the Elizabethan plays, *The Two Noble Kinsmen* and *Troilus and Cressida*, will be read. The types of character and the social life of Chaucer's times will be discussed in connection with the *Canterbury Tales*. His place in English literature, his influence on English poetry, and the modernized versions by Dryden and others, will receive due attention.

\*111 *The English Renaissance.*

1 hr.

Thursday, 9.30.

Professor LEWIS.

A study of the development of literary art and humanism in England, beginning with the later middle ages and leading up to the Elizabethan period. Specimens of romantic and religious poetry as early as the thirteenth century will be read, for the sake of securing a strictly mediæval background. This course would be rather difficult for students who have not read Chaucer.

112 *Elizabethan Drama.*

2 hrs.

Wednesday and Saturday, 10.30.

Assistant Professor W. L. PHELPS.

The English drama, from the mystery plays to the closing of the theatres in 1642, studied from both the literary and the dramatic point of view. Plays of the pre-Elizabethan period are read and briefly discussed, with the object of getting a historical background. Some plays of all the principal dramatists from 1580 to 1640, except Shakespeare, will be read: Marlowe, Ben Jonson, Dekker, Heywood, Chapman, Middleton, Beaumont and Fletcher, Webster, Ford, Massinger, Shirley. As a rule, one play will be read for each lesson.

The method of instruction in this course will be by lectures ; but a weekly one-page critical theme will be required of each student in the class.

113 *Shakespeare.* [Juniors.] 2 hrs.

Monday and Friday, 5.00 (second term 3.00), 176 Lyc.

Professor BEERS.

A rapid reading of some twenty-five plays of Shakespeare, with especial attention to dramatic construction and character-presentation. Designed to lay the foundation for a further study of the drama in course 114.

[114 *English Literature of the Seventeenth Century.*

[Seniors.] 2 hrs.

Assistant Professor W. L. PHELPS.

A rather minute study of English poetry and prose from Donne to Dryden. The poetry of Donne, Drummond, Herbert, Crashaw, Vaughan, Quarles, Carew, Suckling, Herrick, Cowley, Milton, Waller, Marvell, Butler, and Dryden will be read ; also the prose of Burton, Browne, Taylor, Pepys, Fuller, Walton, Milton, Bunyan, and Dryden. The social life of the times will be also discussed.

Omitted in 1899-1900.]

115 *The Modern Drama.* [Seniors.] 2 hrs.

Monday and Friday, 4.00 (second term, 2.00), 176 Lyc.

Professor BEERS.

A review of the Restoration theatre, the leading stage-plays of the eighteenth century, the literary verse-drama of the nineteenth ; and, in general, the history of English dramatic literature since 1660.

116 *The Literature of the Eighteenth Century.*

[Juniors.] 2 hrs.

Tuesday and Thursday, 4.00 (second term, 2.00), 176 Lyc.

Professor BEERS.

A general course in English prose and verse from Addison to Cowper, designed to afford a unified view of the literary evolution of the century.

[117 *American Literature.*

1 hr.

Assistant Professor W. L. PHELPS.

A critical study of leading American authors for the past hundred years, beginning with Franklin, and coming down to the men of to-day. A large amount of reading will be required; also a weekly one-page critical theme from each member of the class.

Omitted in 1899-1900.]

118 *Modern Prose.*

[Seniors.] 2 hrs.

Tuesday and Thursday, 5.00 (second term, 3.00), 176 Lyc.

Professor BEERS.

An examination of the most influential English prose writers of the nineteenth century, excluding fiction. Some of the authors read will be Lamb, DeQuincey, Landor, Coleridge, Macaulay, Carlyle, Newman, Matthew Arnold, and Ruskin.

119 *English Poets of the Nineteenth Century.*

[Juniors.] 2 hrs.

Tuesday and Thursday, 5.00 (second term, 3.00).

Professor LEWIS.

A course of lectures, biographical and critical. A considerable amount of reading will be assigned, and short papers will be written by the class at each exercise. The course will include Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Rossetti, Clough, Arnold, Swinburne, and perhaps others.

120 *Tennyson and Browning.*

2 hrs.

I, Wednesday and Saturday, 8.30.

II, Tuesday and Friday, 11.30.

Assistant Professor W. L. PHELPS.

The autumn term will be occupied with the study of Tennyson. Practically all of his poetry will be read. His theory of the poet's art, his skill in technique, his artistic expression, and his representation of nineteenth century ideas, will be studied in detail.

After Christmas, the complete works of Browning will be taken up, only those being omitted which are unnecessary in

forming a general estimate of his work as a poet. His personal force, his growth, his attitude toward his art, and his place in nineteenth century poetry will be considered; but the chief attention will be paid to his analysis of human life and character.

The instruction in this course will be by means of recitations, discussions, and the preparation of short special papers by the students.

\*121 *Theories of Poetry.*

[Seniors.] 2 hrs.

Wednesday, 3.00.

Professor COOK.

A course in the theories of poetry in general, and in the principles of criticism applicable to its various departments, as the epic, dramatic, and lyric. Discussions and papers on the basis of standard works, such as Aristotle's *Poetics*, Sidney's *Defense of Poesy*, Woodbridge's *The Drama*, Boileau's *Art of Poetry*, Lessing's *Laokoon*, and others of similar character. Reading of masterpieces to illustrate and extend the principles derived from theoretic works.

\*122 *English Lyrical Poetry.*

[Seniors.] 2 hrs.

Monday and Friday, 5.00 (second term, 3.00).

Dr. REED.

A course on the origin and development of the English lyric from Skelton to the present day. The technique of lyrical verse will be examined, and attention will be paid to the development of lyric types, such as the ode and the sonnet. Among the many authors to be read are Wyatt, Sidney, Spenser, Shakespeare, Campion, Donne, Jonson, Carew, Lovelace, Suckling, Crashaw, Marvell, Herrick, Prior, Gay, Burns, and Blake.

COURSES IN RUSSIAN

290 *Elementary Russian.*

Dr. WOŁODARSKY.

The first term will be given to the study of the elements of the language in connection with the reading of short stories by modern writers.

The second term will be given to the study of syntax in connection with the reading of one of Turgenev's works.



291 *Advanced Russian.*

Dr. WOŁODARSKY.

A general course in Russian Literature in connection with the reading of a historical chrestomathy and with sight-reading on "The Eve" by Turgenev and in "Master and Man" by Tolstoi.

## V. ANCIENT LANGUAGES AND LINGUISTICS

## COURSES IN GREEK

[125 *Homer, Theocritus, and the Lyric Fragments.* 2 hrs.

Professor SEYMOUR.

The works of these poets are read rather rapidly, with more attention to their characteristics as literature than to specially linguistic and grammatical questions.

Omitted in 1899-1900.]

[126 *Plato and Aristotle.* 2 hrs.

Professor SEYMOUR.

(a) The *Phaedo* of Plato, with an introduction to the literary and philosophical study of this author.

(b) The *Nicomachean Ethics* of Aristotle, Books i-iv and x, with a study of Aristotle's methods of research and statement.

Omitted in 1899-1900.]

127 *Aeschylus and Pindar.* 2 hrs.

Tuesday and Friday, 5.00, 23 Phelps Hall.

Professor SEYMOUR.

The *Persians* and *Seven against Thebes* of Aeschylus, with special attention to the historical element in the *Persians*, as well as to the dramatic structure of the two plays.

The principal extant odes of Pindar are read, and a sketch of Greek Lyric Poetry is given.

128 *Plato.* 2 hrs.

Monday and Thursday, 3.00, 23 Phelps Hall.

Professor SEYMOUR.

The *Gorgias* and several of the minor dialogues are read, chiefly with reference to the characteristics of Plato's literary style and the form of the dialogue, but without neglecting entirely the Platonic philosophy.

129 *Greek Testament.*

1 hr.

Saturday, 10.30, 17 Phelps Hall.

Professor SEYMOUR.

A philological study of St. Paul's *Epistles to the Corinthians*, and the chief characteristics of the Hellenistic diction.

130 *Aristophanes, Thucydides, and Plutarch as sources for Greek History.*

2 hrs.

Tuesday and Friday, 9.30, 10 Phelps Hall.

Professor PERRIN.

A comedy of Aristophanes (*The Knights*), a book of Thucydides (Book iv), and a "Life" of Plutarch (*Nicias*) will be read, paying due regard to artistic form and literary type, but placing special stress on the method of determining those features which make these authors reliable or unreliable historical sources.

\*132 *Rhythmic and Metric.*

2 hrs.

Wednesday and Friday, 9.30, 15 Phelps Hall.

Professor GOODELL.

An introduction to the subject, about equally divided between lectures and practice in reading. Examples will be so selected from various authors that this course may supplement those in the Greek poets and in Horace and Catullus. Intended for Graduates and specially qualified Juniors and Seniors.

[\*133 *Sophocles.*

3 hrs.

Professor GOODELL.

Reading of the seven extant plays with special attention to the artistic form, including style, treatment of the myths, management of the action, use of meters, and the like.

Omitted in 1899-1900.]

134 *Lucian.*

2 hrs.

Tuesday and Friday, 10.30, 14 Phelps Hall.

Professor REYNOLDS.

A general reading course in prose, with discussion of the life and times of Lucian and of his influence upon modern literature.

The *Dream*, *Charon*, *Timon*, *Angler*, and *True History* will be read, with many minor pieces, including the *Dialogues of the Gods* and *Dialogues of the Dead*. The Teubner text will be used together with Williams's *Selections from Lucian*.

[135 *Euripides*.

2 hrs.

Professor REYNOLDS.

A reading-course with reference to Euripides' poetic and dramatic quality. Five or six plays will be read. Discussion of the poet's relation to his own times, style, metres, dramatic innovations, and influence on the Roman and the modern dramatists, with occasional lectures.

Omitted in 1899-1900.]

136 *The Sicilian Invasion*.

2 hrs.

Monday and Thursday, 9.30.

Mr. KITCHEL.

The Sixth and Seventh Books of Thucydides will be read. The relation of this great catastrophe to the preceding and the subsequent history of the Athenian empire will be emphasized; the geography and topography involved will be carefully considered, and the author will be compared with the historians who preceded and followed him.

[137 *The Choephoroi of Aeschylus, the Electra of Sophocles, and the Electra of Euripides*.

2 hrs.

Mr. KITCHEL.

These plays, together with the *Frogs* of Aristophanes, will be read and carefully compared, with the intent of noting the development of the drama thus exhibited. The points of similarity and dissimilarity between the ancient and the modern drama will be sought for.

Omitted in 1899-1900.]

\*138 *Greek Archaeology*.

2 hrs.

Monday, 5.00, and Friday, 10.30, 16 Phelps Hall.

Dr. HEERMANCE.

a. The prehistoric finds in the Aegean basin will be studied in the original publications and the results combined to obtain a picture of the Mycenaean civilization.

b. An outline of the history of Greek sculpture from its beginnings down to the Roman period will be given in informal lectures. Considerable reading will be assigned and the student will be referred constantly to the ancient literary sources for the subject, both Greek and Latin, and will be aided in acquainting himself with as large a number of existing works of sculpture as possible, through various forms of reproduction.

c. As supplementary to the foregoing, there will be discussed in summary fashion the following branches of Greek archaeology: architecture, painting, ceramics, terra-cottas, bronzes and coins.

A reading knowledge of French and German is essential for this course.

\*139 *Modern Greek.*

1 hr.

Wednesday, 12.30.

Mr. DICKERMAN.

A practical introduction to the subject, using E. Rizo-Rangabé's *Modern Greek Method* as outline, with some reference to other manuals. Particular attention will be given to the colloquial language.

For Courses in Greek Philosophy see Courses 13, 22, 23.

For Outline Survey of Ancient History see Course 49.

COURSES IN LATIN

140 *The Letters of Pliny and Cicero.*

2 hrs.

Monday and Thursday, 10.30, 21 Phelps Hall.

Professor PECK.

In this course prominence will be given to the study of Roman private antiquities.

141 *Hexameter Poetry.*

2 hrs.

Monday and Thursday, 11.30, 21 Phelps Hall.

Professor PECK.

Development of poetic forms and styles in Latin, with studies in Ennius (the Annals), Lucretius, Vergil (the Georgics), and Horace (the Epistles).

142 *Early Latin.*

1 hr.

Wednesday, 9.30, 21 Phelps Hall.

## Professor PECK.

Study of inscriptions and of the ante-classical literature based on Allen's Remnants of Early Latin, Merry's Fragments, and Smith's Selections.

The course is largely philological and critical, dealing with the origin of forms, constructions and literature, and it is especially commended to those who expect to teach Latin.

This course is only open to those who have done superior work in Latin.

143 *Roman Archaeology.*

1 hr.

Wednesday, 10.30, 21 Phelps Hall.

## Professor PECK.

This course is open only to those undergraduates who have done superior work in Latin.

[144 *Cicero (Brutus), Quintilian (x and xii), and Tacitus (Dialogus).*

2 hrs.

## Professor PECK.]

[145 *Tacitus (Annals, i-vi) and Suetonius (Augustus and Tiberius.)*

2 hrs.

## Professor PECK.]

[146 *Latin Philology.*

2 hrs.

## Professor PECK.]

[Courses 144, 145, and 146, are omitted in 1899-1900.]

147 *Latin Lyric Poetry.*

2 hrs.

Monday and Thursday, 9.30, 11 Phelps Hall.

## Professors H. P. WRIGHT and INGERSOLL.

Books iii and iv of the *Odes* of Horace; selections from Catullus: Latin Hymns.

[148 *Latin Satire and Comedy.*

2 hrs.

Professors H. P. WRIGHT and INGERSOLL.

Selections from Juvenal and Martial, with special reference to a study of the private life of the Romans.

Plautus—Three or four plays, with study of literary history, form, and influence.

Omitted in 1899-1900.]

149 *Vergil.*

2 hrs.

Tuesday and Friday, 10.30.

Professor MORRIS.

An introduction to Vergil, intended to give students who may expect to teach Latin an acquaintance with the best editions and commentaries and with works on special topics, the Life of Vergil, the Aeneas legend, relation to Greek poets and to earlier Roman poetry, mythology, Vergil in the Middle Ages. Parts of the text will be carefully interpreted and other parts will be translated and compared with English versions, and there will be practice in metrical reading.

[150 *Cicero.*

2 hrs.

Professor MORRIS.

An introduction to the orations of Cicero, dealing chiefly with the structure of the speeches and their historical interpretation, with some reading in Cicero's letters and rhetorical works.

Especially for students who may expect to teach Latin.

Omitted in 1899-1900.]

151 *Roman Law.*

2 hrs.

Tuesday and Friday, 10.30, 9 Phelps Hall.

Dr. ROBINSON.

This course is intended to benefit those who desire an insight into Roman law as part of a liberal education as well as those who contemplate the study of law as a profession. The work consists of lectures, assigned readings, and recitations upon lectures and readings.

The text of the *Institutes* of Justinian will be translated, the instructor explaining particularly the technical expressions of

lawyers' Latin and lecturing upon the titles which embrace the most important principles of Roman jurisprudence. The class is not required to do philological work in this course. The study of the *Institutes* will be prefaced by lectures upon the history of Roman legislation and supplemented by reference to selected titles of the *Digest* and the commentaries of Gaius.

The Teubner text of *Justiniani Institutiones*, edited by Huschke, is used in the class-room.

152 *Practice in the Writing of Latin.* 1 hr.

Assistant Professor OERTEL.

This course is intended for advanced students in Latin and should be taken only by those who have taken Dr. Wheeler's course or its equivalent.

\*153 *Phonology and Morphology of the Latin.* 2 hrs.

Assistant Professor OERTEL.

A resumé of the chief results of the modern comparative treatment of Latin sounds and inflections. Lindsay's *Latin Language*, 1894, should be in the hands of the students and considerable collateral reading in Brugmann's *Griechische Grammatik* (in Iwan Mueller's *Handbuch*, vol. i, part 1, 1890, second ed.), V. Henry's *Short Comparative Grammar of Greek and Latin* (Engl. transl., Macmillan), and Bechtel's *Hauptprobleme der indogermanischen Lautlehre*, 1892, will be required. Some knowledge of Sanskrit is very desirable.

\*154 *The Italic Dialects.* 1 hr.

Assistant Professor OERTEL.

After a brief survey of the peoples and languages of ancient Italy, the Oscan and Umbrian inscriptions will be read and interpreted, together with a systematic exposition of the Phonology and Morphology of the Italic dialects.

\*155 *The Italic Dialects (2d year).* 1 hr.

Assistant Professor OERTEL.

A continuation of the foregoing.

156 *Terence and Ovid.*

2 hrs.

Tuesday and Friday, 12.30, 19 Phelps Hall.

Mr. BANCROFT.

First term : Rapid reading of several of the plays of Terence, and a more careful study of the *Phormio*.

Second term : *Fasti* of Ovid. Studies in Roman topography.

157 *Latin Literature.*

2 hrs.

Tuesday and Friday, 9.30, 11 Phelps Hall.

Assistant Professor INGERSOLL.

A general survey of the whole field, aiming to trace the rise and subsequent development of the various kinds of prose and verse among the Romans, both as to form and as to subject, and to characterize the several periods of the literature in the light of the changing conditions under which the development took place. Lectures, illustrative readings, and direction of the student's private reading. Designed especially for those who wish to take their bearings in preparation for special work in this department, and for those who, while their chief interest lies in other departments of study, desire to get a general notion of the range and leading characteristics of a literature in which their previous reading has been more or less desultory.

158 *Latin Composition.*

2 hrs.

Tuesday and Thursday, 3.00, 12 Phelps Hall.

Dr. A. L. WHEELER.

During the first term the work consists of a rapid review of Latin syntax with oral and written practice in the principles involved. In the second term the higher principles of Latin writing will be studied in connection with some Latin prose text supplemented by a series of lectures on style. Throughout the year written exercises will be read and criticised in class.

The course is intended chiefly for those graduates and undergraduates who expect to teach.

159 *Latin Elegy.*

2 hrs.

Monday and Friday, 2.00, 12 Phelps Hall.

Dr. A. L. WHEELER.

This course aims to trace historically the development of elegy in Latin. Selections from Tibullus, Propertius, and Ovid will be read, supplemented by occasional lectures. Some outside (English) reading will be required.



- 160 *Roman History from Tiberius to Trajan.* 2 hrs.

Dr. INGHAM.

An examination of the sources for the history of the period. Selections from Dio Cassius, Tacitus, Suetonius, Plutarch, Pliny, and Josephus will be read. The works of modern historians will be examined with reference to their treatment of these sources.

Each student will be expected to collect and classify the facts furnished by the selections on some one topic.

#### COURSES IN SANSKRIT, LINGUISTICS, AND COMPARATIVE PHILOLOGY

- \*161 *Elementary Sanskrit.* 2 hrs.

Tuesday and Thursday, 3.00, 3 Phelps Hall.

Professor HOPKINS.

Instruction in Sanskrit, beginning with Whitney's *Sanskrit Grammar*, and passing on to Lanman's *Reader*. Exercises in composition.

- 162 *Introduction to Comparative Syntax.* 1 hr.

Wednesday, 3.00, 3 Phelps Hall.

Professor HOPKINS.

For this course a knowledge of Sanskrit is desirable but not necessary, and it may be taken by any classical student.

- \*163 *Linguistics.* 2 hrs.

Assistant Professor OERTEL.

A discussion of the general principles and chief problems of linguistic science, such as sound-change, the causes of change of meaning, the fundamental facts of syntax, the relation of grammar to logic, the origin of language, the relation of linguistics to ethnology, etc. H. Paul's *Principles of the History of Language* (English translation, Macmillan) is used as a text-book, and the separate topics are critically examined. The course will be largely conducted by lectures, but will require some outside reading and occasionally the preparation of abstracts of articles, etc. The course is intended as a general introduction to the Science of Language, and no knowledge of Sanskrit is necessary for it.

## VI. BIBLICAL LITERATURE

- 170 *Hebrew (elementary course).* 2 hrs.

Tuesday and Friday, 3.00, 175 Lyc.

Dr. MOULTON.

A study of the elements of the Hebrew language in connection with the reading of Genesis i-viii and of selected passages of easy Hebrew.

- 171 *Hebrew (advanced course).* 2 hrs.

Monday and Thursday, 3.00, 175 Lyc.

Dr. PATTON.

A course which continues course 170 and carries the student as far as the first year of Hebrew in a theological seminary. It will include a thorough review of the grammar, and the careful reading of the books of Samuel and of portions of the Minor prophets.

- 173 *Sight-reading in Hebrew.* 1 hr.

Wednesday, 4.00 to 5.50, 175 Lyc.

Dr. PATTON.

A graduate course, to which Seniors may be admitted who have already taken course 170. The class reads at least two hours each week, but they may be counted as the equivalent of one hour only. Special attention is paid to the acquisition of a working vocabulary.

- 175 *Arabic (elementary course).* 2 hrs.

Monday and Thursday, 4.00.

Dr. PATTON.

During the first term the principles of the language are mastered in connection with the careful study of the Arabic version of *Genesis i-iii*. From Christmas until Easter the class reads in easy Arabic. After Easter selected *Suras of the Qur'dn* are carefully read. In connection with these, lectures are given by the instructor on early Arabian civilization, Arabic literature, the structure and general contents of the *Qur'dn*, and the history of Islam.

This course affords a thorough introduction to classical Arabic. It is valuable to one interested in thorough Semitic study or to one interested in Comparative Religion, and is only moderately difficult for one who has already studied Hebrew.

176 *Assyrian (elementary course).* 2 hrs.

Tuesday and Friday, 9.30.

Professor SANDERS.

The year's work includes the mastery of the more common cuneiform signs, the principles of the language, the rapid reading of much transliterated material, the careful reading of selected portions of the texts of Tiglathpileser, Shalmaneser, and Sennacherib in the cuneiform, some copying from tablets, and lectures on Assyrian history and literature, especially in their bearing on Biblical questions.

NOTE.—The hours assigned for courses 175 and 176 can be changed if necessary.

180 *Biblical Literature (Pre-exilic).* 2 hrs.

Wednesday and Saturday, 9.30, 184 Lyc.

Professor SANDERS.

A constructive survey of the Old Testament as history and literature to the Babylonian exile, 586 B. C., each book being considered, as far as possible, in its appropriate chronological connection. The history of the Hebrew people is treated both as an integral part of Western Asiatic history and as a history of religious development. The course aims to promote (1) a thorough but general familiarity with the contents of the English Old Testament, (2) a realization of the significance of Hebrew history, (3) an appreciation of the Bible as a noble literature and (4) an intelligent attitude towards many problems raised by Biblical criticism. Nearly two-thirds of the Old Testament is covered in the course of the year.

181 *Biblical Literature (Post-exilic).* 2 hrs.

Tuesday and Friday, 10.30, 184 Lyc.

Professor SANDERS.

A survey of Biblical history and literature from the period of the exile, 586 B. C., to the close of the first Christian century, including the books of the Old Testament not considered in course 180, some apocryphal literature, and the whole of the

New Testament. This course is complete in itself, while, with course 180, it covers the whole Bible, and the whole range of Asiatic history down to the Roman domination, as far as it relates to Biblical history.

Students in both courses have access to a carefully selected reference library and to much illustrative material.

[182 *Messianic Prophecy (English)*. 1 hr.

Professor SANDERS.

A survey of the Messianic passages in the Old Testament, so far as to show the historical development of the conception and the various forms in which it was embodied.

Omitted in 1899-1900.]

183 *The Minor Prophets (English)*. 1 hr.

Tuesday, 2.00, 184 Lyc.

Professor SANDERS.

A detailed study of each of the twelve Minor Prophets taken in chronological order, in connection with the survey of the general subject of Prophecy.

[184 *Studies in the Gospels (English)*. 1 hr.

Dr. MOULTON.

A survey of the characteristics of the Gospels which throw light on their origin and interpretation, followed by a study of their distinctive contents, especially the parables of Jesus.

Omitted in 1899-1900.]

185 *The Pauline Epistles*. 1 hr.

Thursday, 2.00.

Dr. MOULTON.

A detailed study of the principal epistles of Paul, taken in the probable order of writing.

186 *Maccabean History and Literature*. 1 hr.

Wednesday, 10.30.

Dr. MOULTON.

A survey of the history and literature of the period from the death of Alexander the Great, 323 B. C., to the conquest of Palestine by Pompey, 63 B. C.

## VII. THE FINE ARTS

190a *Drawing.*

[Juniors.] 2 hrs.

Tuesday and Thursday, 2.00-3.50, Art School.

Professor NIEMEYER.

This course consists of two exercises a week, of two hours each, in drawing from the antique and from life, and also in sketching from nature out of doors. Exercises in original composition are required from time to time. It is the aim of this course to teach the fundamental principles of Art, and to make the student familiar with the use of pen and pencil.

The work in drawing is supplemented by lectures in Linear Perspective and the analysis of the muscular movements of the human body as expressed in the external forms.

To those who are interested in Art only as part of a liberal education, as well as to those who wish to make Art in any form a profession, this course is equally adapted. Each student's work and progress is independent of every other's in the class. Work done outside of the class-room is encouraged and carefully considered when brought for criticism.

*No previous knowledge of drawing is necessary to enter this course.*

190b *Architecture.*

[Seniors.] 2 hrs.

Tuesday and Thursday, 2.00-3.50, Art School.

Professor NIEMEYER.

This course is adapted to students who wish to prepare themselves to enter a school of architecture or an architect's office.

It consists in lectures on the styles in architecture, and the historical development of ornament in its artistic significance. The study is principally by means of free-hand drawing with pen and brush, although instruments are used when necessary, and the conventional shades and shadows are carefully constructed.

A written examination on the chapters of Dr. Reber's History of Ancient Art relating to Greek Architecture, will be held about the middle of the second term.

This course follows 190a, which must be taken first. A satisfactory equivalent will however be accepted.

Professor Niemeyer may be consulted Tuesday and Thursday at 4 P. M., in the Art School, room 8.

191 *Painting.* [Seniors.] 2 hrs.

Monday and Friday, 2.00-3.50, Art School.

## Professor WEIR.

This course consists of two exercises a week, of two hours each, and is open only to those who have taken course 190 in their Junior year. The course consists principally of studies in Water-Color Painting, and includes lectures on the Grammar of Art, on Painting, Sculpture, and Architecture, technically considered, with a critical account of the various Schools and their representative Masters. The lectures are fully illustrated by the use of the hydro-oxygen lantern.

192 *Modeling.* [Seniors.] 2 hrs.

Monday and Friday, 2.00-3.50, Art School.

## Professor WEIR.

Two exercises a week, of two hours each. This course is open only to those who have taken course 190 in their Junior year. The course consists in modeling from the antique and from the living figure, and is supplemented by the lectures given in course 191.

Hours for consultation between 2 and 4 P. M.

## VIII. PHYSICAL AND NATURAL SCIENCE

## COURSES IN PHYSICS

200 *Physics.* 3 hrs.

Monday, Wednesday, and Friday, at 9.30, Sloane Physical Laboratory.

## Professor DANA.

A general course, taking up first the properties of Liquids and Gases, then the subjects of Heat, Electricity, Sound, and Light ; with class-room illustrations. Open to those who have not already done similar work in Junior or Sophomore year. The course is conducted in connection with the Sophomore Physics. It must be taken by all who desire to go on later with the courses in Laboratory Physics (202, 203).

**\*202 Physics.****4 hrs., to count as 2 hrs.**

I, Monday and Thursday, 9.30-11.20, } Sloane  
II, Tuesday and Friday, 9.30-11.20, } Physical Laboratory.

**Professor A. W. WRIGHT.**

Two exercises each week, chiefly practical work in the Sloane Physical Laboratory, with measurements, especially in heat, light, and electricity, each exercise occupying two hours. As introductory to the laboratory practice, the exercises during a portion of the first term consist of recitations or discussions upon the theory and methods of physical measurements, the use of instruments, and other special topics. Laboratory facilities are also freely accorded to students of the course at other times than those of the stated exercises.

The successful prosecution of this course requires practical facility in the application of the Physics and Mathematics of the previous years, the lack of which may be made a reason for exclusion from the course.

**203 Physics. [Seniors.] .3 hrs., to count as 2 hrs.**

Wednesday, 10.30-12.20, and Thursday, 11.30, Sloane  
Physical Laboratory.

**Professor A. W. WRIGHT.**

A more advanced course of laboratory work in Physics, in continuation of course 202, and open only to those who have already pursued that course.

This course will consist of one laboratory exercise of two hours each week on Wednesdays, and one exercise of one hour each week on Thursdays. The latter will be in the nature of a recitation, discussion, or conference, with the use of some text-books, and will involve the theoretical study of special points of Physics in detail.

The course includes practical problems in physical experimentation of more elaborate character, and worked out with greater detail. Those students who make sufficient advance will be encouraged to undertake original investigations, in which they will receive necessary assistance and guidance, and will have free use of the resources of the Sloane Physical Laboratory.

## COURSES IN CHEMISTRY

210 *Experimental Inorganic Chemistry.*

6 hrs., to count as 3 hrs.

I, Monday and Friday, 2.00-3.50,	} Kent Chemical Laboratory.
II, Tuesday and Thursday, 2.00-3.50,	
III, Tuesday and Friday, 9.30-11.20,	
I, II, III, Wednesday, 3.00-4.50,	

Professor GOOCH, Assistant Professor BROWNING and Dr. PHELPS.

Practical laboratory work, lectures, and written exercises. An introduction to elementary chemical theory, the use of symbols and equations, and the descriptive study of the elements and their compounds. While elementary and fundamental in character, this course is probably sufficient for the needs of those who desire merely a very general knowledge of the facts and methods of chemistry. It is a prerequisite to the other courses in Chemistry, and to the course in Biology (241).

211 *Qualitative Chemical Analysis.* 5 hrs., to count as 3 hrs.

Monday and Thursday, 9.30-11.30, Wednesday, 10.30-11.20, Kent Chemical Laboratory.

Assistant Professor BROWNING.

Laboratory practice in the ordinary processes of qualitative analysis, with lectures. This course is of special importance to those who intend to study medicine, engineering, or the technical professions in general, or who desire to teach elementary science. It is open to those who have completed course 210.

212 *Elementary Organic Chemistry.* 4 hrs., to count as 2 hrs.

Tuesday, 10.30-11.20, and Friday, 9.30-12.20, Kent Chemical Laboratory.

Professor GOOCH and Dr. PHELPS.

An introduction to the study of the compounds of carbon. Laboratory work with lectures. This course is a desirable adjunct to courses 210 and 211 for those who purpose to become students of medicine or of applied chemistry, or who have a special interest in chemistry. It is open only to those who have completed course 210.



- 213 *Quantitative Chemical Analysis.* 6 hrs., to count as 3 hrs.  
Tuesday and Thursday, 2.00-4.50, Kent Chemical  
Laboratory.

Professor GOOCH.

Laboratory practice in the use of the simpler methods of gravimetric and volumetric quantitative analysis. This course is intended chiefly for those who wish to study exact methods of manipulation and treatment with a view to the application of analysis to scientific or practical ends. It is open to those who, having completed course 210, have either taken course 211 previously or propose to take it at the same time. •

- 214 *Chemical Theory.* 1 hr.

Professor GOOCH.

This course is primarily for graduates, but it is also open by permission to undergraduates who specialize in chemistry. It is devoted to the study and discussion of the general principles and theories of chemistry. There is no laboratory work, and therefore no fee is charged.

This course will be given in alternate years.

#### COURSES IN GEOLOGY AND MINERALOGY

- 220 *Geology.* 2 hrs.

Tuesday and Friday, 9.30, 5 M.

Professor H. S. WILLIAMS.

A course of lectures on the general principles of the science of geology, supplemented by the use of a text-book. Historical geology will be studied chiefly from a geological standpoint; the special study of the relation of organisms to geology will be considered in the following course. Those students who wish to gain a thorough knowledge of both aspects of the science are recommended to elect this course in Junior year, following it with course 222 in Senior year.

- \*222 *Geological Biology.* [Seniors.] 2 hrs.

Monday and Friday, 5.00, 5 M.

Professor H. S. WILLIAMS.

In this course historical geology will be studied from the biological point of view. Instead of following the ordinary method of

treatment of historical geology, organisms will be the chief objects of study, and their nature, succession, relations to environment, ancestry, and time, and the principles of organic evolution in its geological aspects, will be examined. Those wishing to make a more practical study of the subject may elect two hours additional for laboratory work. Instruction will be given by lectures, reading, and preparation of essays.

- \*225 *Mineralogy and Crystallography.* [Seniors.] 2 hrs.,  
to count as 1 hr.

Saturday, 9.30-11.20, 5 M.

Professor DANA.

Practical study of mineral species by means of blowpipe analysis and other methods; also, mathematical study of the forms of crystals. Additional opportunity will be given to those desiring it to gain facility in the determination of minerals.

#### COURSES IN PHYSICAL GEOGRAPHY AND BOTANY

- 235 *Physical Geography.* [Juniors.] 3 hrs.

First half-year: Tuesday, Wednesday, and Thursday, 5.00.

Dr. GREGORY.

A course of lectures on the elements of Physiography. The time will be largely occupied with a study of the land—mountains, rivers, plateaus, etc.; but the atmosphere and the ocean will also receive attention. Two points will be kept in view; first, the history and development of land forms into their present condition as natural scenery, and second, the effect of territorial features and climate upon the human race.

Assigned readings and occasional excursions may be required.

Second half-year: *Botany.*

Tuesday and Thursday, 2.00-4.00; Wednesday, 2.00, 18  
Sheffield Hall.

Dr. EVANS.

An elementary course in the botany of flowering plants. Laboratory work and recitations. The plant and its various organs are studied with respect to their form, structure, and functions, and special emphasis is laid on the relationships of a plant to its environment.

- \*237 *General Morphology of Plants.* [Seniors.] 4 hrs.,  
to count as 2 hrs.

Wednesday and Friday, 3.00-5.00, 18 S. H.

Dr. EVANS.

Laboratory work and informal lectures. Beginning with the simplest forms, the various groups of plants are taken up in suitable types, and their structure, development, and mode of life, studied and compared. The course is limited to those who can show a satisfactory knowledge of the botany of flowering plants.

#### COURSES IN BIOLOGY

- 240 *Physiology.* [Juniors.] 1 hr.

Wednesday, 2.00, B. L.

Professor CHITTENDEN.

Huxley's *Lessons in Elementary Physiology*, with occasional lectures and illustrative experiments. This course is limited to those who take course 210, and is designed as a preparation for courses 241a and b of Senior year, and is open only to those intending to take these courses.

- 241 *Elementary Anatomy, General Biology, and Physiological Chemistry.* [Seniors.] 4 hrs.

Monday and Friday, 2.00-3.50; Tuesday and Thursday, 3.00-4.50, B. L.

This course is open only to those who have taken courses 210 and 240 in Junior year.

First term: *Elementary Anatomy and General Biology.*

Professor S. I. SMITH.

Four exercises a week, of a minimum of two hours each. Laboratory work and informal lectures. The time is devoted principally to dissections of the frog, and work with the microscope on the lower plants and animals and in vertebrate histology, with special reference to the rudiments of biology and the elements of the morphology of animal tissues. The student is required to make microscopical preparations, keep careful records of his work, and pass frequent examinations.

Second term: *Physiological Chemistry.*

**Professor CHITTENDEN.**

Four exercises a week, of a minimum of two hours each, in the laboratory of physiological chemistry. The time is devoted mainly to a study of the chemistry of the connective, contractile, and nervous tissues, of the chemical processes of salivary, gastric, and pancreatic digestions, and so far as the time allows, of other subjects connected with the physiology of nutrition and the chemistry of the excretions.

A course of lectures by Professor Chittenden on Experimental Toxicology (Tuesday, Thursday, and Saturday, 8.10 A. M.), is also open to students in the above course.

A laboratory fee is charged for course 241. The student in addition must bear the expense of gas, flasks, etc., which should not exceed ten dollars.

**243 *Anatomy.* [Seniors.] 2 hrs.**

Wednesday, 11.30, and Saturday, 9.30, Medical School.

**Professor FERRIS.**

A general course in Human Anatomy adapted to the demands of students in biology.

**IX. MATHEMATICS**

**250 *Calculus.* 3 hrs.**

Tuesday, Friday, and Saturday, 9.30, B Alumni Hall.

**Dr. WESTLUND.**

Topics are: differentiation of composed and implicit function; change of variables; infinite series and products for real and complex variables; the differential geometry of plane and twisted curves and of surfaces; multiple integrals, differentiation and integration under the sign of integration; the Eulerian integrals; integrals when the variable is complex.

Reference works: Byerly's *Differential and Integral Calculus*, 2 vols.; Kiepert's *Differential und Integralrechnung*; Appel's *Cours d'Analyse Mathématique*.

251 *Higher Algebra and Analytic Geometry.* 3 hrs.

Monday, Wednesday, and Thursday, 9.30.

Dr. STRONG and Mr. HAWKES.

In the first part of the course topics are : substitutions, symmetric functions, roots of unity, determinants, solution of linear systems of equations, elimination, resultants, discriminants, and invariants.

The second part of the course will be devoted to analytic geometry, laying stress on modern methods. As many as possible of the usual topics will be taken up in plane geometry ; in solid geometry quadric surfaces will be treated in some detail. Determinants and invariants will be freely applied.

Books of reference—Algebra : Burnside and Panton, *Theory of Equations* ; Elliott, *Algebra of Quantics* ; Carnoy, *Algèbre Supérieure*.

Geometry : C. Smith, *Solid Geometry* ; Clebsch-Lindemann, *Leçons sur la Géométrie*.

252 *Differential Equations.* 3 hrs.

Professor PIERPONT.

Treats for the most part the technique of differential equations without making use of the theory of functions and Lie's theory of transformation groups. It is therefore especially adapted to students of mathematical physics and of other branches of applied mathematics. It is intended to pass in review the equations in one and more independent variables of most frequent occurrence. Particular attention will be paid to the potential equation  $\Delta u = 0$  and to the equation defining the functions of Legendre, Laplace and Bessel.

Books of Reference : A. R. Forsyth, *Differential Equations* ; Byerly, *Fourier's Series and Spherical Harmonics* ; H. Laurent, *Traité d'Analyse*, vols. v and vi ; Demartres, *Cours d'Analyse*.

253 *Vector Analysis.* [Seniors.] 3 hrs.

Monday, Thursday, and Friday, 3.00, Sloane Physical Laboratory.

Professor GIBBS.

First term :

Elementary course, in which the simpler problems of geometry, kinematics, and mechanics are treated by vector methods. The

matter taught is not entirely unlike that usually given in courses in Quaternions, but the method followed is in some respects nearer to Grassmann's than to Hamilton's.

Second term :

Advanced course, including differentiation with respect to position in space, the theory of the potential and allied functions, and that of linear vector functions. Applications are made to hydrodynamics, to the motion of a rigid body, and to the theory of curvature. This course is especially designed for an introduction to the study of mathematical physics, and is open only to those who have taken the preceding.

[*Reading Club in French and German Mathematics.*

The club is in charge of the instructors in turn, and will hold its meetings once or twice weekly at hours to be arranged later.

Various specimens of mathematical French and German will be read. The object is to give students an opportunity to become familiar with technical mathematical terms and to acquire an ability to read mathematical literature rapidly at sight.

This does not count as a course. Attendance is voluntary but warmly recommended to all.]

255 *Descriptive Astronomy.* 3 hrs., 1st half-year.

Monday, Wednesday, Thursday, 10.30, A. O.

Professor BEEBE.

Intended principally for the study of topics connected with the historical and physical side of astronomy. Only so much mathematical work is introduced as is essential to an understanding of such topics. Text-book: Young's *Elements of Astronomy*.

Opportunity will be given for study of constellations and observation with the telescope.

The only courses in the second half-year open to those who choose course 260a are Surveying (260b) and Botany (235d).

256 *Surveying.* 3 hrs., 2d half-year.

Wednesday 10.30, Tuesday and Thursday, 2.00, A. O.

Professor BEEBE.

One or sometimes two hours per week are given to recitations. The other exercises are in field- or office-work during the afternoons, each exercise occupying not less than two hours.

**Field-Work :** The ordinary operations of land-surveying, leveling, and elementary topography, involving the use of the chain, compass, surveyor's level, transit and plane table.

**Office-Work :** Plotting surveys from the field notes ; determination of areas from the map and by numerical calculation ; map-drawing, plane and topographical ; examination of instrumental errors.

**Text-book :** Johnson's *Surveying*.

257 *Practical Astronomy.*

2 hrs.

Tuesday and Friday, 10.30.

Professor BEEBE.

This course is open only to those who have taken course 260. It consists of observatory work with astronomical transit and chronograph for determination of sidereal and standard time, and with sextant and theodolite for determination of latitude and azimuth, numerical computations for reduction of observations, derivation of formulae, and recitations from Loomis's *Practical Astronomy*.

258 *Spherical Geometry and Trigonometry, Applications of Trigonometry to Surveying, Navigation and Nautical Astronomy.*

3 hrs.

Monday, Wednesday and Friday, or Tuesday, Thursday and Saturday, 11.30.

Professor E. L. RICHARDS.

This course covers a short course in surveying, and the essential principles of navigation, both by dead reckoning and by observation of the heavenly bodies. It includes also instruction in the use of the sextant.

Those who propose to take the following courses \*259 and \*260 must consult Professor Phillips beforehand, whose approval, in writing, is required. The courses are designed especially for students who intend to take a graduate course in Mechanical Engineering.

**\*259** *Descriptive Geometry and Machine Drawing.*

3 hrs., to count as 2 hrs.

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|--------------------------------------|------------------------|
| I, Monday and Thursday, 4.30-6.      | } 114 Winchester Hall. |
| II, Tuesday and Friday, 4.30-6.      |                        |
| III, Monday and Thursday, 2.00-3.30. |                        |

**Professor C. B. RICHARDS and Mr. MARSHALL.**

Course 259 is open only to a limited number of those who have studied the Mathematics of the Sophomore year. The course includes the principles of orthographic projection, the intersection and development of surfaces; in the second term, elements of machine drawing.

**\*260** *Machine Designing.*

4 hrs.

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|---|------------------------|
| I, Tues., Thurs., Sat., 8.30-11.30, Wed., 11-1. | } 109 Winchester Hall. |
| II, Tues., Thurs., Fri., Sat., 11-1.            |                        |

**Professor C. B. RICHARDS.**

Course 260 is a continuation of the work in course 259 and is open only to a limited number of those who have taken that course.

**X. MUSIC****270** *Harmony.*

2 hrs.

Tuesday and Thursday, 4.00, 3 Tr.

**Professor PARKER.**

The study of chords, their construction, relations, and progressions.

The course covers the following subjects:

Intervals,—the measurements of distance from one tone to another; Triads of the major and minor scales, and their inversions; Seventh chords, primary and secondary, with their inversions and resolutions; Modulations; Chromatically altered notes; Suspensions; Organ point; Passing and changing notes; Harmonization of a given melody; Harmony in two, three, and five parts; Simple instrumental accompaniments.

The work is principally the writing of exercises from figured basses. The exercises will be corrected in the class-room with explanations and illustrations.

Jadassohn's *Harmony* (Breitkopf & Härtel, New York and Leipsic) is used as text-book.



271 *Counterpoint.*

2 hrs.

Tuesday and Thursday, 3.00, 3 Tr.

## Professor PARKER.

A thorough knowledge of Harmony is required of students in this course.

The work is the harmonizing and supplying melodious additional voices to choral and other melodies used as *Canti Firmi*.

The different orders of Counterpoint in two, three, and four voices : also double counterpoint, and more or less free imitative writing.

Students in this course are encouraged to try the simpler forms of free composition. No text-book is used.

272 *Strict Composition.*

2 hrs.

Tuesday and Thursday, 2.00, 3 Tr.

## Professor PARKER.

The more severe kinds of composition form the basis of work in this course.

Harmony in Five and more parts ; Threefold and Fourfold Counterpoint ; Four- and Three-part Fugues for voices or for instruments ; Canons of various kinds, with or without accompaniment of free voices ; Free treatment of different kinds of thematic material. This course is preparatory to course 275. No text-book is used.

273 *The History of Music.*

1 hr.

Wednesday, 5.00, 3 Tr.

## Professor PARKER.

Lectures on the development of music from its earliest stages. History of Church music from the time of Gregory ; History of Opera and Oratorio ; Biographical sketches of famous composers, with description and analysis of their principal works ; History of purely instrumental music, showing the growth and development of musical forms up to their culmination in Beethoven.

Practical illustrations of the lectures on musical form are given in the class-room.

274 *Instrumentation.*

2 hrs.

Wednesday and Friday, 3.00, 3 Tr.

## Professor PARKER.

This course is open only to students who have done the work of courses 270 and 271, and it is strongly recommended that course 272 also should precede it.

Lectures are given on the nature, compass, tone-color, and other characteristics of all the instruments of the modern orchestra, with written illustrations of their use by great composers.

Exercises in the practical orchestration of short pieces from the works of classic and modern composers, in analyzing, reading and playing from orchestral scores, beginning with Haydn and Mozart Symphonies and embracing modern works of various kinds.

275 *Free Composition.*

2 hrs.

Wednesday and Friday, 2.00, 3 Tr.

## Professor PARKER.

This course is intended primarily for graduates, and is open only to students who have done the work of courses 270, 271, 272, and 274, and who have shown unmistakable talent for original composition. Several of the smaller forms of free instrumental and vocal music are composed by the students, and studies are made for larger compositions which are finished in case the thematic material offered is of sufficient merit.

At the close of the year the student will be required to produce an extended work, probably in sonata form.

276 *Practical Music.*

Professor SANFORD, Assistant Professor JEPSON and Mr. TROOSTWYK.

Instruction is given in Piano-, Organ-, and Violin-playing to a limited number of students. Fees range from \$50.00 to \$150.00 for the college year.

Each student of the piano-forte receives individual instruction, under the supervision of Professor Sanford, who will in person instruct a limited number of advanced students in the higher branches of the art, particularly in *ensemble* and concert-playing. (No student is admitted to a course in practical music who has not been admitted to one of the theoretical courses.)

Students of organ-playing receive personal instruction from Mr. Jepson and of violin-playing from Mr. Troostwyk.

## XI. PHYSICAL EDUCATION

280 *Physiology and Gymnastics.*

2 hrs.

Dr. SEAVER and Dr. ANDERSON.

This course is designed for those who intend to teach gymnastics or to direct departments of physical education in institutions of learning. The work comes under two general branches as follows:

1 *Physiology.*

Thursday, 7.00 P. M., University Gymnasium.

This work consists of one recitation or lecture a week with Dr. Seaver, during the year. The first term is devoted to elementary physiology. The second term is devoted to human physiology; special attention being given to a study of the circulation, respiration, digestion, and excretion. The hygienic importance of these topics is carefully studied. The third term is given to a study of sanitary science. Collateral reading will be required during the third term.

Dr. Seaver may be consulted at the Gymnasium from 9.30 to 10.30 A. M. daily until April 1st.

2 *Principles and Practice of Gymnastics.*

Monday and Thursday, 11.30 A. M., University Gymnasium.

Under this head will be discussed by Dr. Anderson (*a*) the scientific basis of physical training; (*b*) history of gymnastics and growth of the various systems; (*c*) means employed, such as apparatus and appliances; (*d*) physical examinations and measurements; (*e*) pedagogy of gymnastics. Required textbook, Anderson's *Gymnastic Terminology and Methods of Teaching Gymnastics*.

Members of the class will be called upon to arrange exercises for other classes, to classify movements for overcoming common physical defects, and to do practice work in teaching gymnastics.

(Dr. Anderson may be consulted at the Gymnasium from 4.00 to 6.00 P. M.)

The following statements are added to explain the general aim and scope of the instruction in some of the leading subjects of study.

**GREEK**—During the first two years, the student reads selections from Thucydides or Herodotus, dramas of Aeschylus, Sophocles, and Euripides, one or two comedies of Aristophanes, one or more orations of Demosthenes, Isocrates, or Lysias, the Apology or some dialogue of Plato; occasionally, the *Symposium* of Xenophon or selected dialogues of Lucian. These works are selected with a view to making the student familiar with the leading branches of Greek literature, and the most interesting phases of Greek life and thought. The most important grammatical principles are reviewed in Freshman year; in Sophomore year, grammatical questions are discussed rarely, except as they are necessary for the interpretation and illustration of the author's meaning. In reading the works of the poets, less attention is paid to linguistic and grammatical points than to their literary quality, to the structure of the poems, to poetic words, forms, arrangement of words, rhythm, and constructions; but the growth and development of the language are discussed as well as the development of the literature. In reading the orators and historians, the connection of thought and of events is made prominent. Greek prose composition is practiced so far only as to aid the student in reading Greek authors, and to quicken his perception of nice distinctions in the order and choice of words and construction.

In the optional courses of the Junior and Senior years, the student has the opportunity of reading the works of the lyric poets, other Greek dramas, and other dialogues of Plato, parts of Aristotle (his *Politics* and *Ethics*), and the *Idyls* of Theocritus; as well as of studying Greek inscriptions, and of doing more critical work on the Homeric poems than is suited to the first College year; also of learning the Modern Greek language. The history of Greek philosophy is studied.

**LATIN**—By the close of Sophomore year, it is intended that the student shall have gained clear conceptions of the genius of the language and its relations to other ancient and to modern tongues, a good knowledge of the characteristics of Latin literature and the essential facts of Roman history, and some appreciation of the position of Rome in the history of civilization. That subsequent reading of the language may be more easy and more exact, due attention is given in the early part of the course to forms, constructions, and idioms. From term to term the study of the literature is made more prominent, and particular

texts are treated as means for the study of the public and private life of the Romans. Instruction is given mainly by recitations, but such work is supplemented by occasional lectures by the instructors and by conferences on papers presented by the pupils. In connection with the minute study of the authors, considerable time is given to oral and written reading at sight, and to composition in Latin.

For Juniors and Seniors who desire to continue their Latin studies, parallel courses are offered by different instructors, with different ends in view and by different methods. The characteristic of a course may be, *e. g.*, literature, or history, or philology, or antiquities, or the speaking and writing of Latin; and the methods of preparation and the class-room treatment vary accordingly. Topics suggested by the nature of the courses, or by individual tastes and intentions, are assigned to students, and papers thus prepared are discussed before the class. Lectures and the rapid reading of large amounts of texts are more frequent than in the prescribed courses. The connection of Latin with English is emphasized, and written translations are from time to time required and criticized with reference both to their faithful reproduction of the Latin thought and their idiomatic English. German annotated editions are often used, not only for their intrinsic helpfulness, but also to encourage the practical use of that language. Students who give evidence of unusual capacity and attainments may be admitted to membership of graduate classes.

**MATHEMATICS**—In Geometry the exercises consist in recitations from the text-book, the original demonstration of theorems, and applications of the principles to the solution of numerical problems.

After the student has gained facility in the use of trigonometrical tables, the principles of Plane Trigonometry are applied to the problems of Mensuration, Surveying, and Navigation, and likewise those of Spherical Trigonometry to the elementary problems relating to the celestial sphere.

In Mechanics, the elementary principles of Kinematics, Kinetics, and Statics, in reference to solid bodies, are presented with practical applications.

In Algebra the elementary principles of the theory of equations are illustrated graphically, and the student is exercised in the numerical solution of equations of the higher degrees and the graphical representation of the relations of quantities.

In Analytical Geometry the student is carried through the elementary properties of the lines and surfaces of the second degree, and is introduced to the theory of map-projection.

In the Junior and Senior years opportunity is given in the elective courses to obtain a wider knowledge of Algebra, and also of Analytical

Geometry and Trigonometry with their applications to Navigation, Geodesy, and Astronomy. A course is provided in Junior year in Differential and Integral Calculus, designed for such as expect to make a serious study of any department of pure or applied mathematics.

There is also a course in Descriptive Geometry which includes the fundamental principles of orthographic projection, shades and shadows, and linear perspective. This course is open to those who have taken the mathematics of Sophomore year.

In Senior year advanced subjects in the Calculus and the elements of Analytical Mechanics form one line of study.

A course introductory to General Analysis forms another line. This is intended as a preparation for courses in the Theory of Functions, and other advanced work in Analysis.

An elementary and an advanced course are provided in what is called Vector Analysis. The object of these courses is to introduce the student to the methods of multiple algebra in geometry, mechanics, and physics. The matter taught is not entirely unlike that usually given in courses in Quaternions, but the method followed is in some respects nearer to Grassmann's than to Hamilton's. The elementary course is confined to the simplest algebraic relations of vectors. The advanced course includes differentiations with respect to position in space, and the theory of linear vector functions.

Students who show special aptitude are exercised in the working up of subjects which require the use of the library and more prolonged investigation than the daily exercises of the class-room. Such work begins in Freshman year. There is a considerable collection of models which are used to assist the imagination in the various branches of study.

ENGLISH—The required study of English literature occupies three hours a week through one-third of Freshman year. This work has as its object to cultivate in the student, at the outset of his course, the habit of careful, critical reading of the best English literature; the attainment of this end is sought through class-room discussion of six representative plays of Shakespeare, attention being paid to close interpretation of the text, development of plot, analysis of character, and general æsthetic criticism.

In Sophomore year the following authors are read: Spenser, Shakespeare, Milton, Addison, Swift, Pope, and Gray. The literary history of England in the sixteenth, seventeenth, and eighteenth centuries is also studied, chiefly with reference to the interpretation of these authors and to the criticism, both historical and æsthetic, of the works read

by the class. The Sophomore course in rhetoric aims at a general training in fundamental principles, and a special training in exposition. The weekly recitations and lectures are auxiliary to the individual instruction given in conference on frequent essays.

The DeForest, Townsend, TenEyck, Betts, McLaughlin and Winston Trowbridge Townsend prizes (pp. 139-141) are under the superintendence of the Assistant Professor of Rhetoric.

For the present year a prize in poetry, of the value of fifty dollars, is offered to the University by Professor Cook.

The strictly elective work in English (the Sophomores elect five out of six subjects) follows six different, though related, lines. Instruction is offered in the earlier stages of the language, with reference as well to the reading of the older literature as to linguistic discipline; in rhetoric; in the theory of poetry, involving a consideration of literary criticism in general; in the evolution of a literary form (the English lyric); and in the study of various periods, classes of writers, and individual authors.

The course in Old and Middle English is intended to impart the elementary knowledge essential to the reading of pre-Chaucerian authors as well as to the fuller understanding of Chaucer himself, and to give the student a sense of the meaning and value of our earliest literature.

The courses in rhetoric are intended to complete the general training of the Sophomore year, and to provide systematic practice and criticism in any prose form.

The course in the theory of poetry is designed to give the student a philosophical conception of the nature of poetry, and the laws of its chief genera, as expounded by leading critics and deducible from the master works of literature.

The course in the English lyric is a study in literary evolution. The nature of lyric verse, its origin, its development in substance, and its technique, are carefully considered, and the works of the principal lyric poets from Wyatt to Browning are read and discussed.

The chief periods of English literature, with reference to which instruction is at present provided, are: the Renaissance; the age of Elizabeth; the seventeenth, eighteenth, and nineteenth centuries. The chief classes of writers examined are the Elizabethan and the modern dramatists, modern prose writers, and the leading American authors. The chief individual authors studied are Chaucer, Shakespeare, Tennyson, and Browning.

The larger number of the courses in English are intended to be disciplinary, as well as instructive; in other words, they have in view the development of insight and power no less than the imparting of information.

**GERMAN**—The student who has passed the admission examination in German may continue the study of German during each of the four years of his College course, if he so elect; the student who has not passed the admission examination in German may, if he desire, begin the study of German in either Freshman or Sophomore year, and pursue it for four or for three years; no elementary instruction in the language is given to Juniors or Seniors.

The courses of work for the successive years may be outlined as follows. During the first year the work consists of German grammar, translation of easy English phrases, sentences, and connected prose into German, and of easy German prose into English. Constant sight-translation is used as a means for developing and strengthening the student's vocabulary and for freeing him from dependence upon the lexicon and from the word-by-word methods which its use encourages. Especial care also is devoted to pronunciation. The work of the second year continues and extends that of the first year, taking up the translation of more difficult German prose, both with previous preparation and at sight, the study of word-formation, and the translation of more difficult English prose into German. Throughout the two years the aim in reading German is to cover as much ground as possible—from 500 pages upwards—in the belief that thereby the student will acquire more command of the language than when a smaller amount is read with rigid attention to grammatical details. It is expected that at the end of the second year the student will have adequate preparation for the use of the language in his work in other branches of study. Those, therefore, who are studying German solely with this end in view may perhaps discontinue class-study at this point; but no student should begin the language unless he expects to devote at least two years to its study.

For the remaining years the courses vary from year to year; but opportunity is given for the critical study of works of leading authors, and for the study of periods in the history of German literature. Advanced courses are offered also in earlier German literature and in the historical development of the language.

German readings are given by the instructors, outside of the regular College work, and a course in advanced composition is given, in which German alone is spoken. German is constantly read aloud in the class-room, and efforts are made to improve the student's pronunciation and to help him to acquire some facility in expressing his ideas in German. But it is not a leading aim in the instruction in German to enable the student to converse in that language. Training in the ordinary conversational idiom may be had more profitably elsewhere and cannot form any considerable part of the class-room work. The student may acquire the language as a tool for use in other departments of study, and may come in contact with the best works of Ger-



man literature, studying their form and contents, and the lives and environment of their authors ; fluency in conversation must be acquired where the conditions are more fitted to the object which they are to effect.

**ROMANCE LANGUAGES (FRENCH, ITALIAN, SPANISH)**—The student who has passed the admission examination in French may continue the study of that language during each of the four years of his College course, if he so elect ; the student who has not passed the admission examination in French may, if he desire, begin the study of French in either Freshman or Sophomore year and pursue it for four or three years ; no elementary instruction in the language is given to Juniors or Seniors.

To the student properly equipped, *i. e.*, who has had two years of French in College, or the equivalent, the following Junior and Senior electives are open from which he may choose according to his special wants with the advice of the department : (a) linguistic courses conducted in French and combining the study of some literary topic with practice in speaking and writing ; (b) literary courses, in which the leading writers of one specific period are read and studied ; (c) philological courses, for students who intend to teach and, in general, those who wish to study the origin and growth of the language and its earlier literature.

Barring exceptional cases, the study of Spanish and Italian cannot be begun before the Junior year, but if begun then, it can be continued to the end of the college course.

**PHYSICS**—The instruction in Physics is begun in Sophomore year, with a course, extending through the year, of three exercises weekly. This is a general course, conducted by recitations, liberally illustrated by means of apparatus and experiments, and by occasional lectures. The object is to give a broad general view of the subject, to make the student familiar with the fundamental principles of the science, to enable him to understand something of the methods of experiment and reasoning by which physical laws have been established, and to give him an insight into the processes by which accuracy is attained in physical work, and the degree to which it may be carried. The work serves also as the introduction to, and foundation for, the more advanced courses offered in Junior and Senior years, in which the student may pursue lines of work in general and theoretical Physics of a higher grade, or may take up practical work in the Sloane Physical Laboratory, beginning with the course in Junior year, and continuing the work, of a more advanced character, during Senior year, as is described in the list of elective courses.

**CHEMISTRY**—This study is optional. A course in experimental inorganic chemistry is open regularly to Juniors and Seniors, and by permission to Sophomores and Freshmen who, having been excused upon examination in advance from a part of their required work, desire to prepare themselves for the subsequent pursuit of advanced scientific studies in which some knowledge of chemistry is necessary or desirable. Those who wish to master during the college course certain branches of knowledge which—like qualitative and quantitative chemical analysis, organic chemistry, biology, physiology, and physiological chemistry—are directly anticipatory of work otherwise required in the medical or technical schools, should take this course as early as possible. It is a prerequisite to the other courses in chemistry and to the course in biology, and is desirable for those who propose to study mineralogy and geology. Instruction is given by lectures and laboratory practice; and frequent examinations, written or practical, serve to review and emphasize essential principles and facts as well as to test the progress of the student.

Other courses, open to students who are familiar with the subject-matter of the first course, offer instruction by lecture and laboratory practice in the ordinary processes of qualitative analysis, in the preparation and study of the compounds of carbon, and in the exact methods of gravimetric and volumetric quantitative analysis. A lecture-course in chemical philosophy deals with modern methods and theories. It is the aim of all these courses to teach facts and principles inductively and experimentally.

Candidates for special honors in physical science who have the requisite standing and who desire to present their theses in chemistry, may undertake (under guidance) the solution of problems demanding original thought and investigation.

**GEOLOGY**—The instruction in this department is designed primarily to acquaint the student with the fundamental facts of the constitution of the earth, the arrangement of its parts, and the materials and forces which have been and are the basis of its history. As far as practicable the class-room instruction will be supplemented by the use of specimens such as are found in the museums or such as make up the geological features of the vicinity of New Haven. The facts and phenomena of the science will also be used as an introduction to the methods of making observations, of deriving from them correct scientific notions, and in general as a means for the exercise and development of the faculties of inductive reasoning. Students prepared for the work will be encouraged to make special investigations in the lines of historical geology and the history of organisms, for which the facilities are ample, and in other special problems of structural geology well exhibited in and about New Haven.

**POLITICAL SCIENCE AND LAW**—An elementary course in Economics is provided, which treats not merely the general principles of the science, but some of the most important practical applications in Finance and Legislation. Hadley's *Economics* and Jevons' *Money* are used as a textbook, and are supplemented by lectures and discussions. Those who take Economics in Junior year have an opportunity in Senior year to become acquainted with the history of the science and the controversies now going on in it, and to study more thoroughly special topics. In the course in Anthropology they are also offered an opportunity to become acquainted with the new sciences whose investigations are so important for the whole field of social science.

The course in Law treats of municipal and international law as parts of a liberal education. The object is to study civil institutions, both in their theory and in their positive form. The instruction is elementary, dealing with the fundamental facts and principles which underlie the civil polity of the American State, and is intended to give the student a correct knowledge of such essential facts about the life of the State and its accepted doctrines as every educated man should possess, as well as to lead up to the professional study of law.

**MENTAL AND MORAL SCIENCE, AND PHILOSOPHY**—The courses in this branch of study begin in Junior year, and continue until graduation. During Junior year, three hours each week of class-room work in Logic, Psychology, Ethics, and the Evidences of Religion, and during Senior year two hours each week of class-room work in Philosophy, are required of every student; the remainder of the work in these and kindred subjects is elective.

**LOGIC**—This is a required course, beginning in the Junior year. It aims at a thorough knowledge of the principles of deductive and inductive reasoning. In Deductive Logic special attention is given to an analysis of the syllogism as well as to a study of its functions and logical value. Oral and written discussions of examples of deductive argument constitute a considerable portion of the work of the class. In Inductive Logic the problems, grounds, and principles of induction are discussed. A great deal of attention is given to familiarizing the students with the principles and methods of scientific investigation. Essays on observation, experiment, classification, hypothesis, etc., are required. The work in Logic includes an examination of recent logical theories.

**PSYCHOLOGY**—Required work in this subject begins in Junior year and consists of two exercises a week, continued through rather more

than half the college year. Although the course is taught with constant use of a text-book, upon which recitations are exacted, considerable time from the first is taken by the teacher in oral instructions, critical or supplementary of the text. Attention is called to the most recent advances in experimental and physiological psychology, to the educational bearings of the subjects treated and to the psychological bases of ethics and of theism. The most important of the older and newer works on psychology are placed in the University Reference Library for the use of students, who are urged to do side reading in connection with the class-room work. The course in Physiological and Experimental Psychology extends through the entire year and is taught by lectures and recitations; it is illustrated by models, charts, histological preparations, and apparatus for demonstrating all the principal topics covered. It is designed to go briefly over the whole ground of the modern experimental and physiological study of mental phenomena; especially as regards reflex and automatic cerebral action, the localizing of cerebral function, the quality and quantity of sensation, psychometry, etc. A similar illustrated course is given in the application of psychology to education. An elementary laboratory course furnishes a training in observation, thinking, and manipulation of apparatus as applied to psychological problems. An intermediate laboratory course furnishes a training in psychological measurements and leads to the more advanced work of the graduate school. The Psychological Laboratory possesses a very thorough equipment.

**HISTORY OF PHILOSOPHY**—In the study of the History of Greek Philosophy the principal emphasis is laid upon Plato and Aristotle, and upon the post-Aristotelian Schools, as illustrating the permanent and most interesting problems of Philosophy.

The course in Modern Philosophy extends through the whole of the Senior year. The subject is taught both by recitations from the text-book, with accompanying remarks from the teacher, and by lectures. Effort is made to secure from each pupil the careful reading of at least one work of some prominent philosopher of the period considered in the class-room. Special emphasis is laid upon the philosophy of Kant. It is a constant aim to trace the development of modern speculative thought so as to throw light upon the principal questions in debate among present writers in philosophy.

**PHILOSOPHY**—In addition to the study of Philosophy as connected with the problems of rational Psychology, and as illustrated and enforced by the history of the development of Philosophy, the works of

one or more of the leading authors are read and discussed, with such students as take the elective courses opened for this purpose. In this way the more general studies in Metaphysics and Ethics are supplemented by special information regarding selected subjects and writers.

MORAL SCIENCE, as a study, is intimately connected with the instruction in Psychology and Philosophy, as its foundations are discovered in the constitution of the human soul, and its method and fundamental relations are justified and enforced by those principles which are essential to all scientific thinking. In the department of Moral Science and of Practical Ethics, a somewhat thorough course is required of the entire Junior class, as an essential element of a thorough education and an important condition for practical usefulness. This general course is supplemented by special classes in scientific and practical Ethics, and particularly in the history and criticism of ethical theories, which are maintained through the year.

MUSIC—The department aims to provide adequate instruction for those who intend to become professional musicians, either teachers or composers, and to offer a complete course of study to such as intend to devote themselves to musical criticism and the literature of music. In all the courses a knowledge of piano-playing is required, though in a less degree if the student plays well some other musical instrument.

### SPECIAL HONORS

Special Honors are conferred at the end of Senior year.

One-year and two-year honors may be taken in the following groups of studies:

(1.) Philosophy. (2.) Political Science and Law. (3.) History. (4.) Modern European Languages. (5.) English. (6.) Ancient Languages. (7.) Natural and Physical Science. (8.) Mathematics. (9.) Music.

A candidate for a one-year honor must pursue with distinction in his Senior year, and a candidate for a two-year honor in his Junior and Senior years, courses (whether prescribed or elective) amounting to an average of at least six hours per week in one of the specified groups.

For a two-year honor the work must be so distributed that an average of at least four hours per week is taken in Junior year.

In History, courses *taken in Junior Year* may be counted as part of the work for two-year honors in Political Science, and *vice versa*.

In Biblical Literature, courses 180 and 181 may be counted as a part of the work for two-year honors in History.

In Classics, Modern Languages (exclusive of English), and Mathematics, two-year honors will not be given unless the work in those subjects amounts to four hours per week in each year.

In Music, one-year honors will be given for distinguished work on the completion of course 271, and two-year honors on the completion of all the courses offered to undergraduates.

Students taking a sufficient number of hours in any group may by that fact be considered as candidates for honors in that group.

A candidate's whole work in any group, though it may be more than the minimum requirement for an honor, will be reckoned as a competition for the honor.

A candidate for either honor must present a meritorious thesis before June 1 of his Senior year.

[In the department of Modern European Languages, elementary French and German will not be reckoned for honors. In the department of Mathematics, no student will be considered a candidate for honors unless he has taken the Calculus.]

#### TERMS AND VACATIONS

THE PUBLIC COMMENCEMENT is held on the last Wednesday in June. The first term begins thirteen weeks from the day after Commencement-day and continues twelve weeks; the second term begins on the Tuesday after the

first Thursday in January and continues until Commencement-day, with a Spring Recess—of eight days—including Easter. See Calendar; p. 8.

#### PUBLIC WORSHIP

PRAYERS are attended in the Battell Chapel, with reading of the Scriptures and singing, every week-day at 8.10 A. M., at which service the attendance of the students is required.

PUBLIC WORSHIP is held in the Chapel on Sundays, at which all the students are required to attend, except such as have special permission to attend the worship of the denominations to which their parents belong. Such permission can be obtained on presenting to the Dean or Division Officer a written request therefor from the parent or guardian.

THE YALE YOUNG MEN'S CHRISTIAN ASSOCIATION, with a membership of over one thousand, has its headquarters in Dwight Hall, which was erected in 1886 through the generosity of Mr. Elbert B. Monroe, of Southport, Connecticut. This is a stone building situated on the College square, and is admirably adapted to be the center of the social religious life of the University; it contains a convenient reading-room, a carefully selected library, a large hall for general religious services, and separate rooms for the prayer meetings of the various classes.

The Dwight Hall lecture course, the devotional meetings, the classes for Bible study, and the mission-work carried on by the students, have come to be prominent features of Yale life.

#### LIBRARIES AND READING-ROOMS

The Library of the University, containing about 253,000 volumes, is open every week-day to all the students, for consultation and for the drawing of books; in a separate part of the building is the Linonian and Brothers Library, a collection of about 22,000 volumes in general literature specially selected for the use of the undergraduate students.

The College Reading-Room, containing the principal newspapers and periodicals, American and foreign, is open to the students every day and evening without charge. There are also a reading-room and a select library (for reference only) in Dwight Hall.

### GYMNASIUM

The Gymnasium is designed to provide all students of the University, not only with opportunities for general exercise, but also with the means of caring for the body in accordance with the laws of hygiene. It also provides for specific training in view of any physical defects that may be remedied by rational superintendence.

The Department is under the supervision of a Director, assisted by two Associate Directors, both of whom are trained physicians.

The gymnastic training is designed to be progressive from year to year. From November first until the Easter recess work in light gymnastics is required of the members of the Freshman class, except such as are in regular training with the recognized athletic terms. This work may be either two periods a week in a class drill, or four periods of individual exercise. The members of the Sophomore, Junior and Senior classes are offered facilities for instruction by the Director in the various forms of gymnastics, and any student may enter the classes in general gymnastics.

A thorough physical examination and measurement is offered each student yearly, and a record of the results is kept as a basis of advice as to exercise and regimen. An examination of these records shows that the standard of health of the average student improves during his college course.

For the welfare of the students the following rule has been passed by the Corporation :

Required that every man who presents himself for exercise in the gymnasium, or who desires to use its privileges, should first submit to



a physical examination by one of the Directors ; or, in default of such an examination, should bring from his physician a written certificate (the form to be furnished by the Director) that he is physically sound ; or a written certificate from his parent or guardian that he wishes the student excused from the examination and that he himself will take the responsibility of exercise without a previous examination.

An elective course is provided for the Senior class as set forth in the prospectus of elective studies. (See course 280.) This provides training in hygiene and gymnastics for those who intend to teach or to supervise the work of physical training in educational institutions. Dr. Seaver gives a course of lectures on elementary physiology and sanitary science. Dr. Anderson gives lectures and lessons in the theory and practice of gymnastics.

There are several prizes offered for excellence in physical work.

Members of other Departments may, on the payment of a small fee, avail themselves of the use of the Gymnasium, including advice from the directors, use of apparatus, the Turkish baths, showers, bowling-alleys, etc.

The new Gymnasium, erected by graduates for the use of the University, was opened in 1892. The arrangement of the building is in general as follows: the location is on the north side of Elm street, and the front is 138 feet, while the depth is 86 feet. The entrance is by an archway at the east end, which leads through the building to a large lot in the rear that affords room for outdoor exercises, such as throwing the hammer, putting the shot, hurdling, pole-vaulting, jumping, etc.

The basement is reached by an entrance from the lot, and contains an engine-room, a laundry, a bath-room with twelve tubs, each provided with a shower and douche, toilet-rooms, a room with two bowling-alleys, and a room for base-ball teams.

The first floor contains the spacious entrance-hall, or vestibule, a dressing-room for athletes, with bath and toilet-rooms for their special use, a complete equipment of

lockers, baths, a swimming-pool (28 x 50 feet), a Turkish bath, and two rowing-tanks large enough for eight-oar crews.

The second floor is occupied by offices, club-rooms, and a large dressing-room, with shower-baths and toilet-rooms adjoining. This room now has over one thousand ventilated lockers, with space for a thousand more whenever they may be needed.

The Gymnasium is open from 9.30 in the morning until 9.30 at night. Graduate and undergraduate students are entitled to the use of the tub and Turkish baths upon the payment of a small fee.

#### EXPENSES

The Treasurer's bills are made out and delivered to the students, or (*request to that effect being made*) mailed to the parent or guardian, three times a year, viz: at the beginning of each term or half-term, at which time they are payable. If not paid before the end of the month following the month in which they are issued, the student will not be permitted to attend recitations until his bill shall have been paid, and in the allotment of college rooms will not be permitted to retain or to choose a room. Drafts on New York, Boston, and Philadelphia are received at par.

The annual charges for tuition are one hundred and fifty-five dollars. Of this amount fifty-five dollars are payable at the beginning of the first term, and fifty dollars at the beginning, and again at the middle of the second term. An additional charge of eighteen dollars is made in the last bill of the Senior year to cover expenses of graduation.

**ABSENCE ON LEAVE**—A student who is absent from College on account of sickness, or for any other cause, and retains his place in his class, pays full tuition during such absence; such payment is required before the student can be admitted to examination.

BOARD is obtained at prices varying from three and a half to eight dollars a week. The average price is under five dollars.

THE YALE DINING HALL, adjacent to the College square, is under the direct control of the University and furnishes board at cost (approximating \$4.00 per week). The Hall contains seats for 450, and is open to students of the Academic and Scientific Departments. A bond of \$500 is required by the Treasurer of the University for each student admitted to the Hall, and the price of board is charged on the regular term-bill. Application for seats at the table must be made to the steward, Mr. J. Q. Tilson.

ROOMS—There are in the College buildings over four hundred and fifty rooms occupied by students, at prices varying, according to location, from seventy-five cents to ten dollars per week, payable each term or half-term in advance. These rooms are not furnished, and the rates charged do not include heat or light.

Farnam Hall (built in 1869-70) is named in commemoration of Henry Farnam, Esq., of New Haven, who bore the chief part of the expense of its erection; Durfee Hall (built in 1870-71) commemorates in like manner the generosity of Mr. Bradford M. C. Durfee, of Fall River, Mass.; Lawrance Hall (built in 1885-86) owes its name to a gift for this purpose from Mrs. Francis C. Lawrance, of New York City, in memory of her son, Thomas Garner Lawrance, of the Class of 1884, who died during his Senior year in College; Welch Hall, completed in 1892, is the gift of Pierce N. Welch, Esq. (Yale College 1862), of New Haven, in memory of his father, the Hon. Harmanus M. Welch, of this city, who died in 1889; Vanderbilt Hall, first occupied in 1894, is the gift of Mr. and Mrs. Cornelius Vanderbilt, of New York City, in memory of their son, William Henry Vanderbilt, a member of the Class of 1893, who died in 1892; and White Hall, completed in 1894, was erected at the expense of Andrew J. White, M.D. (Yale 1846), of New York City.

Students living out of College are not allowed to room in any hotel or apartment-house or in any building in which a family does not reside, except by special permission of the Faculty.

A few rooms in each building are reserved in May, for members of the Freshman class of the year following, and are assigned to applicants in order of application.

Members of the Junior, Sophomore, and Freshman classes, occupying any of the College rooms, may retain the same rooms for another academic year, by making application in writing to the locating officer, on or before Saturday, May 19, 1900. Rooms not reserved will then be offered to the classes in order: choices will be allotted to the Junior class on Tuesday, May 29, to the Sophomore class on Friday, June 1, and to the Freshman class on Wednesday, June 6.

#### PRICES PER WEEK OF ROOMS IN COLLEGE FOR 1899-1900

When a room is occupied by two persons, each occupant will be charged with one-half the price named in this schedule. The prices given for Welch Hall include steam-heat.

- \$0.75.—70 South Middle; 98, 99, 114 North.
- \$1.00.—84 South Middle; 97, 100, 113, 116 North; 359, 360, 361, 362, 363, 364, 365, 366 White; 417, 418, 419, 420 Berkeley.
- \$1.25.—81, 82, 94, 95 South Middle; 409, 410, 411, 412, 416, 421 Berkeley.
- \$1.50.—73, 74, 77, 78, 86, 87, 91 South Middle; 401, 402, 403, 404, 408, 413 Berkeley.
- \$1.75.—80, 83, 93, 96 South Middle; 103, 106, 107, 110, 111, 119, 122, 123, 126, 127 North; 400, 405 Berkeley.
- \$2.00.—71, 72, 75, 76, 79, 85, 88, 89, 92 South Middle; 101, 104, 105, 108, 109, 112, 125, 128 North; 133, 137, 141, 160, 167, 175 Farnam; 181 Lyceum; 385, 386, 387, 388, 393, 394, 395, 396 Berkeley.
- \$2.25.—384, 389, 392, 397 Berkeley.
- \$2.50.—120, 124 North; 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598 Pierson.
- \$3.00.—182, 183 Lyceum; 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582 Pierson.

- \$3.50.—142, 143, 158, 159, 161, 162, 176, 177 Farnam; 250, 251, 260, 261, 270, 271, 281, 282 Lawrance; 415, 422 Berkeley; 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566 Pierson.
- \$4.00.—130, 131, 138, 139, 144, 145, 146, 147, 153, 154, 156, 157, 164, 165, 172, 173 Farnam; 180 Lyceum; 407, 414 Berkeley.
- \$4.50.—14, 18 Vanderbilt; 134, 135, 140, 148, 149, 151, 152, 168, 169, 174 Farnam; 208, 215, 216, 223, 224, 231, 232, 239 Durfee; 248, 249, 258, 259, 268, 269, 279, 280 Lawrance; 341, 342, 379, 380, 381, 382 White; 399, 406 Berkeley.
- \$5.00.—22, 26, 40, 56 Vanderbilt; 129, 163 Farnam; 202, 209, 210, 217, 218, 225, 226, 233 Durfee; 241, 242, 246, 247, 252, 253, 256, 257, 262, 263, 266, 272, 273, 277, 278 Lawrance; 296, 311, 312, 327 Welch; 338, 339, 355, 356, 357, 358, 375, 376, 377, 378 White; 585, 586, 599, 600 Pierson.
- \$5.50.—44 Vanderbilt; 206, 214, 221, 222, 229, 230, 237 Durfee; 295, 298 Welch; 351, 352, 353, 354 White; 383, 390, 391, 398 Berkeley.
- \$6.00.—48, 52 Vanderbilt; 132, 166 Farnam; 204, 211, 212, 219, 220, 227, 228, 235 Durfee; 245, 254, 255, 264, 265, 274 Lawrance; 284, 297, 299, 300, 301, 302, 313, 314, 315, 328, 329, 330 Welch; 332, 333, 335, 336, 367, 368, 369, 370, 371, 372, 373, 374 White; 521, 522, 535, 536, 569, 570, 583, 584 Pierson.
- \$6.25.—283, 286 Welch.
- \$6.50.—343, 344, 345, 346 White.
- \$7.00.—2, 3, 13, 15, 41, 43, 45, 58, 60 Vanderbilt; 178, 179 Lyceum; 201, 203, 205, 234, 236, 238 Durfee; 285, 288, 292, 303, 304, 308, 316, 317, 318, 319, 323 Welch; 340, 347, 348, 349, 350 White; 537, 538, 551, 552, 553, 554, 567, 568 Pierson.
- \$7.50.—287, 291 Welch.
- \$7.75.—290, 294 Welch.
- \$8.00.—1, 11, 12, 16, 25, 27, 29, 36, 42, 55, 57, 59, 67, 69 Vanderbilt; 289, 293, 305, 306, 309, 310, 322, 326 Welch; 337 White.
- \$8.50.—5, 8, 17, 19, 21, 23, 47, 49, 51, 53, 63, 66 Vanderbilt; 320, 324 Welch.
- \$9.00.—10, 28, 34, 39, 54, 68 Vanderbilt; 321, 325 Welch; 331 White.
- \$10.00.—4, 6, 7, 9, 20, 24, 30, 32, 35, 37, 46, 50, 61, 62, 64, 65 Vanderbilt; 240 Durfee; 334 White.

The subjoined table gives near estimates of the ordinary annual expenses in College, omitting clothing, vacation charges, and sundries.

	Lowest	General Average	Very Liberal
Treasurer's bill, tuition, . . . . .	\$155	\$155	\$155
Rent and care of half-room in College, . . . . .	20	100	140
Board, 36 weeks, . . . . .	125	175	250
Furniture, average of half-room for 4 years, . . . . .	10	25	40
Fuel (steam-heat) and light, for half-room, . . . . .	15	20	35
Washing, . . . . .	15	25	40
Text-books and stationery, . . . . .	10	25	40
Subscriptions (to Societies, Sports, Periodicals, etc.), . . . . .		20	100
Total . . . . .	\$350	\$545	\$800

## BENEFICIARY AID

The sum of thirty thousand dollars and upwards, derived mainly from permanent charitable funds, is annually applied by the Corporation for the relief of students who need pecuniary aid. In this amount are included the income of the **LANGDON FUND**, of four thousand dollars, bequeathed in 1835 by Solomon Langdon, of Farmington, Connecticut, and a portion of the income of the **ELLSWORTH FUND**, now about ninety-six thousand dollars, received since 1858 from the estate of the Hon. Henry L. Ellsworth (Yale College 1810); both these funds are used for the support of students intending to enter the ministry. There is also a **FUND**, the income of which is used for scholarships, which has been constituted from repayments made to the treasury by former students who have received aid during the College course. The College has also a considerable number of scholarship funds, each yielding one hundred and fifteen dollars a year, the income of which is appropriated to worthy applicants. No assignments from these funds are made before admission to College. Those needing aid should apply to the Dean before November 1st in each year of the College course. A person applying for aid for the first time is required to present evidence in writing that he is worthy to receive assistance, and that such help is necessary to enable him to pursue his college studies.

Assistance will be withdrawn from students who are irregular in attendance, or who fail to maintain a reputable scholarship.

THE MORGAN FUND, bequeathed by the late Henry T. Morgan, of New York City, has been set apart by the Corporation, with the provision that the income shall be divided into scholarships (at present thirty-seven in number, yielding one hundred and fifteen dollars each), to be assigned by the Faculty for the benefit of indigent and deserving students.

THE MARETT FUND, amounting to over one hundred and fifty-two thousand dollars, which was established by the will of Philip Marett, Esq., of New Haven, in 1869, and was received in 1889-97, has been appropriated for beneficiary scholarships, in aid of needy and deserving students.

THE CHRISTMAN FUND, amounting to over twenty-two thousand dollars, bequeathed by Joseph A. Christman (Yale College 1857), of New York City, who died in 1888, is devoted to the support of poor and meritorious students.

THE HARMER FOUNDATION OF SCHOLARSHIPS, the proceeds of a bequest in 1854 from Thomas Harmer Johns (Yale College 1818), of Canandaigua, N. Y., comprises five scholarships, each yielding at least one hundred dollars a year, to be given to deserving students of small means.

THE LYON SCHOLARSHIP FUND, of forty-four hundred dollars, given in 1868-72 by Mr. Morris W. Lyon (Yale College 1846), of New York City, benefits four scholars, selected for their worth and need by the founder or the Faculty.

THE LUCIUS HOTCHKISS FUND, of ten thousand dollars, the bequest of Lucius Hotchkiss, Esq., of New Haven, in 1881, comprises four scholarships, the income of which is given to indigent and deserving students.

THE LEAVENWORTH SCHOLARSHIP FUND, now amounting to over seventeen thousand dollars, was established in 1882 by the Hon. Elias W. Leavenworth (Yale College 1824) of Syracuse, N. Y., with the primary object of defraying in part the expenses of the education of students of good character and promise, bearing the surname of Leavenworth.

THE HOLMES SCHOLARSHIPS, one in each class in College, founded by Samuel Holmes, Esq., of Montclair, New Jersey, are filled upon the nomination of the Board of Agents of the Silas Bronson Library of Waterbury by students from the towns of Waterbury, Wolcott, Prospect, and Middlebury, Connecticut, who receive each the income of one thousand dollars *per annum*.

There are thirty-four other Scholarship Funds, most of them of one thousand dollars, the income of which may be given to such students as shall be selected by the founders or the Faculty. In this number are included Scholarships named in commemoration of William Allen, Charles Atwater, Mills Bordwell, William S. Charnley, William E. Dodge, Thomas H. and Luther Fuller, Sereno Gaylord, Joel Hawes, John C. Holley, Charles L. Ives, Elisha C. Jones, William A. Macy, John S. Mitchell, Peter Parker, John M. Raymond, John Spaulding, and James M. Whiton.

The income of the TEELE FUND of one thousand dollars, given by the Rev. Albert K. Teele, D.D., of the class of 1842, is distributed by the President of the University, at his discretion, among needy and deserving undergraduates.

There are also opportunities for students in need of aid to render service to the College as monitors, etc.; in this way about fifteen hundred dollars is disbursed annually. And in general it may be said that the other means to self-help at the command of students are sufficient to enable many of those who have spare time to provide for the larger part of their College expenses.

By the liberality of Mr. William L. Andrews, of New York City, and as a memorial of his son, Loring W. Andrews, of the class of 1883, a well furnished library has been established, containing text-books and works of reference, to be loaned gratuitously to those students who have need to avoid the expense of purchasing books. Permission to use this library is obtained from the Dean.



## FELLOWSHIPS AND SCHOLARSHIPS

THE DOUGLAS FELLOWSHIP, with an income of six hundred dollars a year, was founded in 1873, by Mrs. Samuel Miller, of New Haven, and named in memory of her brothers, the Rev. Sutherland Douglas (Y. C. 1821) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of this Department, pursuing non-professional studies in New Haven, is elected annually, but no person shall hold the Fellowship for more than three years.

THE SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861-1865, and in special remembrance of William Wheeler, of the class of 1855. The incumbent must be, at the time of his election, a graduate of this Department, of not more than three years' standing. He shall pursue non-professional studies, and may hold the Fellowship for a period not exceeding five years. In selecting the incumbent, the President and Professors are to give preference to one who has shown special proficiency in Greek; and for the further prosecution of Greek study, the Fellow may spend a part or the whole of the time of his incumbency in Athens, in connection with the American School of Classical Studies, instead of in New Haven.

THE SILLIMAN FELLOWSHIP, founded in memory of Professor Benjamin Silliman, Professor of Chemistry, Mineralogy, and Geology in Yale College from 1802 until his death in 1864, has an annual income of six hundred dollars, and is awarded to a graduate of this Department who has given evidence of proficiency and promise in some branch of physical science. The incumbent is elected annually, but no person shall hold the Fellowship for more than three years.

THE JOHN SLOANE FELLOWSHIP in Physics, established in 1889 by the gift of ten thousand dollars from John Sloane, Esq., of New York City, is awarded annually by

the Faculty to a graduate of this Department who has shown marked proficiency in the prosecution and application thereof. The incumbent shall reside in New Haven for at least thirty-six weeks in each academic year, pursuing a course of study in Physics and the related branches of science, and acting as an assistant in the Sloane Physical Laboratory; he may be re-elected, but shall not hold the Fellowship for more than three consecutive years.

THE SCOTT HURTT FELLOWSHIP, with a foundation of twelve thousand dollars, was established in June, 1893, by Mrs. Sarah I. Hurtt, of New York City, in memory of her son Burgess Scott Hurtt, of the class of 1878, Yale College. The incumbent must be a graduate of the academical department, of not more than four years' standing at the time of his first appointment, and may hold the fellowship for three years by annual re-election. In addition to a good moral character, the person appointed must have maintained a satisfactory standing in scholarship and must purpose to pursue a scholastic, professional, or scientific career, in which he gives promise of success. He shall, if required by the President and Professors, reside in New Haven for at least one year of his incumbency, during thirty-six weeks of the year, pursuing his studies there; but with this exception may have the privilege of prosecuting his studies at any foreign University, or at the American School of Classical Studies in Athens.

THE BERKELEY SCHOLARSHIP, founded in 1733 by the Rev. George Berkeley, Dean of Derry, and afterwards Bishop of Cloyne, Ireland, and yielding about seventy dollars a year, is awarded to the student in each Senior class who passes the best examination (which must be a creditable one) in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of Homer's *Iliad*, Cicero's *Tusculan Questions*, Tacitus (except the *Annals*), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

THE CLARK SCHOLARSHIP, being the income of a fund

of two thousand dollars, given for this purpose by Mr. Sheldon Clark, of Oxford, Connecticut, is awarded in each Senior class to the applicant who has attained the highest rank in the studies of the course ; provided he remain in New Haven for one year or two years immediately after graduation, pursuing a course of study (not professional) under the direction of the Faculty.

THE BRISTED SCHOLARSHIP, founded in 1848 by Mr. Charles Astor Bristed (Yale College 1839), of New York City, and yielding over one hundred dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior class who passes the best examination in the classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation.

THE FOOTE SCHOLARSHIPS, founded in 1873 by a bequest of Harry W. Foote (Yale College 1866), of New Haven, and yielding five hundred dollars a year, are awarded annually to graduates of this Department, selected by the Corporation, who remain in New Haven for one or more years pursuing studies in the graduate courses of the Department of Philosophy and Arts.

THE LARNED SCHOLARSHIPS, three in number, each having a fund of seven thousand dollars, were founded in 1877 by the bequest of Mrs. Irene Larned, of New Haven, and were augmented in 1888 by the bequest of Mrs. Urania B. Humphrey, of Norfolk, Connecticut. One scholarship is awarded in each Senior class ; the incumbent must reside in New Haven, pursuing a course of advanced study under the direction of the Faculty.

THE ELLEN BATTELL ELDRIDGE SCHOLARSHIPS, two in number, each having the income of a fund of twelve thousand dollars, were established in 1894 by a bequest from Mrs. Azariah Eldridge, of Yarmouth, Massachusetts. The incumbents, who shall be graduates of this Department, selected by the President and Professors, must

reside in New Haven, pursuing such a course of study as they may select and the Faculty approve. No scholar shall continue on the foundation for more than three years.

THE MACY SCHOLARSHIP, being the income of a fund of ten thousand dollars, derived from a bequest of the Rev. William A. Macy (Yale College 1844), of Shanghai, China, who died in 1859, is awarded, whenever there may be a vacancy, to a recent graduate of distinguished scholarship, who may hold it for a term of three years. He shall reside in New Haven, pursuing a course of non-professional study, and shall at the close of each College year present a meritorious thesis in evidence of his work during the previous year.

THE WOOLSEY SCHOLARSHIPS, each having the income of a fund of one thousand dollars, the gift of President Woolsey, in 1846-48, are awarded in successive years, one to the student in each Freshman class who passes the best examination in Latin Composition (excellence in which is essential to success), in the Greek of the year, and in the solution of algebraic problems. The successful candidate receives the annuity, during the four years of his College course, provided he maintains a good standing in character and scholarship, and in the Junior year makes himself acquainted with the Differential and Integral Calculus. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP FUND, of one thousand dollars (established by Henry A. Hurlbut, Esq., of New York City, in 1858-59); and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP FUND, of the same amount, given by Charles M. Runk, Esq., of Allentown, Pennsylvania, in 1864.

THE W. W. DEFOREST SCHOLARSHIP, being the income of a fund of two thousand dollars, bequeathed in 1867 by William Wheeler DeForest of New York City, is awarded to a student in each Senior class who has attained distinction in the study of French while in College, provided he

pursue for the year after graduation a further course of study in the modern languages, especially French, Spanish, Portuguese, or Italian, under the direction of the Faculty.

THE SCOTT HURTT SCHOLARSHIP was established in 1889 in memory of Burgess Scott Hurtt, of the class of 1878, Yale College, by his classmates and friends. The income of a fund of five thousand dollars is assigned in June of each year to a member of the Sophomore class, who is selected by the Faculty on the ground of approved scholarship; one half of the income will be paid to the incumbent during his Junior year, and one half during his Senior year, provided he continues to be in need of this assistance.

THE THOMAS GLASBY WATERMAN FUND, of forty thousand dollars, was received in 1890 from the estate of Thomas G. Waterman (Yale College 1886). The income is given to not more than three scholars, of manly character and limited means, who have distinguished themselves in their studies and give promise of achieving distinction in the line of work which they have chosen; the incumbents are elected annually by the Faculty from the Senior or Junior class, or from graduates of the Department of not more than two years' standing.

THE ALFRED BARNES PALMER SCHOLARSHIP FUND, of five thousand dollars, was given in 1892, by the Rev. Charles Ray Palmer, D.D., in memory of his son, Alfred Barnes Palmer, of the class of 1892, Yale College. The annual income is paid, during his College course, to a student in avowed need of beneficiary aid, of unexceptionable character, and of high rank in scholarship.

THE DANIEL LORD, JUNIOR, MEMORIAL FUND, of five thousand dollars, was established in 1894, by Daniel Lord, Esq., of New York City, in memory of his son, Daniel Lord, Junior, of the class of 1892. The annual income is given to a deserving and needy undergraduate student in this Department—preferably a member of the Senior class—who shall be selected by the Faculty.

THE LEARNED SCHOLARSHIP, established in 1895 by the

gift of two thousand dollars from the Hon. William L. Learned, LL.D., of the class of 1841, Yale College, is awarded at the close of the Freshman year to a student who has been markedly successful in his studies. He receives the income of the fund through his college course.

THE JOHN J. COX SCHOLARSHIP, established in 1898 by the gift of two thousand dollars from Mrs. John J. Cox, of Peekskill, N. Y., in memory of her son, John J. Cox, of the class of 1891, is awarded yearly to some needy and worthy student of high character selected by the Faculty.

#### PREMIUMS

THE DEFOREST PRIZE, founded in 1823 by David C. DeForest, of New Haven, and consisting of a gold medal, of the value of one hundred dollars, is awarded "to that scholar of the Senior class who shall write and pronounce an English Oration in the best manner," the President and Professors being judges.

TOWNSEND PREMIUMS, five in number, of twelve dollars each, founded in 1843 by the gift of Isaac H. Townsend (Yale College 1822), of New Haven, are awarded in each Senior class for the best specimens of English Composition; all compositions receiving premiums must be read in public.

THE DEFOREST MATHEMATICAL PRIZES were established by the late Dr. John DeForest (Yale College 1826), and were augmented by his son, the late E. L. DeForest (Yale College 1854), of Watertown, Connecticut. A first prize of one hundred dollars, and three second prizes of fifty dollars each, are offered to the Senior class for worthy solutions of problems in pure and applied Mathematics. This year about sixty dollars from the same source will be offered in prizes to the Junior, Sophomore, and Freshman classes, respectively, for the solution of problems.

WINTHROP PRIZES, the income of a fund of five thousand dollars given in 1871 by Buchanan Winthrop, Esq. (Yale

College 1862), of New York City, are annually offered to the Junior class "for the most thorough acquaintance with the Greek and Latin poets," particular attention being paid to elegance of scholarship and appreciation of the spirit of the poetry, as shown at an examination during the latter half of the second term. The first prize is two hundred dollars, and the second prize is the balance of the income for the year.

The subjects for examination in the class of 1901 are as follows: in Greek, Pindar's *Olympian Odes* and the *Oedipus at Colonus* of Sophocles; in Latin, Horace's *Odes* and *Epodes*.

THE HENRY JAMES TENEYCK PRIZES, the income of a fund of twenty-six hundred dollars, established in 1888 by the Kingsley Trust Association in memory of Henry James TenEyck (Yale College 1879), are awarded to the successful competitors at the Junior Exhibition, in the second term of each year.

THE C. WYLLYS BETTS PRIZE, established in 1890 by the Phelps Association, being the income of a fund of one thousand dollars given by L. F. H. Betts, Esq. (Yale College 1891), in memory of his uncle, the late C. Wyllys Betts, Esq., of New York City, a graduate of Yale College in the class of 1867, is offered to the Sophomore class for excellence in English composition. The prize is awarded annually to that member of the class who shall have exhibited the most meritorious work in the required compositions of the year and in a special essay on a prescribed subject.

THE McLAUGHLIN MEMORIAL FUND, consisting of one thousand dollars, founded in 1893 to commemorate Edward Tompkins McLaughlin (Yale College 1883), late Professor of Rhetoric and Belles Lettres, is devoted to the encouragement of English Composition in the Freshman class. From the income of this fund a first and second prize, in books, are offered during the current year.

THE WINSTON TROWBRIDGE TOWNSEND PRIZES, given

by Judge William K. Townsend, in memory of his son, a member of the class of 1901, are annually awarded for excellence in English Composition in the Freshman class.

COLLEGE PREMIUMS are given each year in the Sophomore class for Declamation.

THE THACHER MEMORIAL FUND, of three thousand dollars, founded in 1892, by gifts from the class of 1842, and named in honor of their former instructor, Professor Thomas A. Thacher, is devoted to the encouragement of the practice of extemporaneous debate. One hundred and fifty dollars of the income will be offered in prizes for this object during the current year.

SCOTT PRIZES for excellence in German and in French are offered to the Junior class; these are of the value of thirty dollars each, and are given in books. The prizes were founded by the bequest of Henry W. Scott (Yale College 1863), of Philadelphia, who died in 1871.

THE LUCIUS F. ROBINSON LATIN PRIZES, from the income of a fund of five thousand dollars given in 1887 by the daughters of the late Lucius F. Robinson (Yale College 1843), of Hartford, will be awarded the present year to students showing special proficiency in Latin:—one series of prizes (of fifty, thirty, and twenty dollars, respectively) being open to members of the Senior and Junior classes who have taken three hours per week in Latin electives; and a second series, of the same amounts, to members of the Sophomore class.

BERKELEY PREMIUMS for excellence in Latin Composition are offered to the Freshman class near the end of each College year, from the surplus income of the Berkeley Scholarship Fund.

THE HUGH CHAMBERLAIN GREEK PRIZE, being the income of one thousand dollars given for this purpose, in 1886, by the Hon. Daniel H. Chamberlain (Yale College 1862), is awarded annually to that member of the Freshman class who has passed the best examination in the Greek required for admission to College. Candidates for



this prize will be required to pass the whole examination in Greek in June of the year of their entrance into College, even though they may have been accepted already in some or all of the Greek subjects in a previous year.

#### DEGREES

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Saturday before Commencement.

# SHEFFIELD SCIENTIFIC SCHOOL

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HORACE L. WELLS, M.A., *Professor of Analytical Chemistry and Metallurgy*  
CHARLES E. BEECHER, PH.D., *Professor of Historical Geology*  
LOUIS V. PIRSSON, PH.B., *Professor of Physical Geology*  
ROBERT N. CORWIN, PH.D., *Professor of German*
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## ADDITIONAL INSTRUCTORS

- JOHN H. NIEMEYER, M.A., *Instructor in Free Hand Drawing*  
WILLIAM HENRY BISHOP, B.A., *Instructor in French and Spanish*  
SAMUEL E. BARNEY, C.E., *Assistant Professor of Civil Engineering*  
FREDERICK E. BEACH, PH.D., *Assistant Professor of Physics*  
WILLIAM J. COMSTOCK, PH.B., *Instructor in Organic Chemistry*  
CHARLES C. CLARKE, JR., B.A., *Instructor in French*  
WILLIAM W. NICHOLS, M.E., *Instructor in Mechanical Engineering*  
WILBUR L. CROSS, PH.D., *Assistant Professor of English*  
HERBERT D. CARRINGTON, PH.D., *Instructor in German*

- FREDERICK L. CHASE, PH.D., *Instructor in Astronomy*  
PERCY F. SMITH, PH.D., *Assistant Professor of Mathematics*  
EDWIN H. LOCKWOOD, M.E., *Instructor in Machine Design and Descriptive Geometry*  
WALTER I. LOWE, PH.D., *Instructor in History*  
JOHN C. TRACY, C.E., *Instructor in Civil Engineering and Drawing*  
ALEXANDER W. EVANS, M.D., PH.D., *Instructor in Botany*  
HENRY L. WHEELER, PH.D., *Assistant Professor of Organic Chemistry*  
WILLIAM C. MARSHALL, M.E., *Instructor in Drawing and Descriptive Geometry*  
JAMES LOCKE, PH.D., *Instructor in Chemistry*  
GEORGE L. AMERMAN, PH.D., *Registrar*  
GEORGE P. STARKWEATHER, M.E., PH.D., *Instructor in Applied Mechanics*  
HENRY A. BUMSTEAD, PH.D., *Instructor in Physics*  
LAFAYETTE B. MENDEL, PH.D., *Assistant Professor of Physiological Chemistry*  
WESLEY R. COE, PH.D., *Instructor in Comparative Anatomy*  
BERTRAM B. BOLTWOOD, PH.D., *Instructor in Physical Chemistry*  
OTIS G. BUNNELL, PH.B., *Instructor in French*  
CLIVE DAY, PH.D., *Instructor in Political Economy*  
WILLIAM A. GRANVILLE, PH.D., *Instructor in Mathematics*  
GEORGE H. LANGZETTEL, B.F.A., *Assistant in Drawing*  
CHAUNCEY B. RICE, PH.B., *Laboratory Assistant in Physics*  
LYNDE P. WHEELER, PH.B., *Laboratory Assistant in Physics*  
GEORGE F. EATON, PH.D., *Instructor in Comparative Osteology*  
BAYARD BARNES, PH.D., *Laboratory Assistant in Organic Chemistry*  
HERBERT E. GREGORY, PH.D., *Instructor in Physical Geography*  
GEORGE H. NETTLETON, B.A., *Instructor in English*  
ROBERT W. HALL, PH.B., M.A., *Assistant in Biology*  
HOLMES C. JACKSON, PH.D., *Assistant in Physiological Chemistry*  
CHARLES H. WARREN, PH.D., *Instructor in Mineralogy*  
CHARLES M. COOKE, B.A., *Laboratory Assistant in Botany*  
FREDERICK B. LUQUIENS, B.A., *Instructor in German*  
WILLIAM K. SHEPARD, PH.B., *Laboratory Assistant in Physics*  
WILLIAM VALENTINE, PH.B., *Instructor in Chemistry*  
TREAT B. JOHNSON, PH.B., *Laboratory Assistant in Chemistry*

WALTER M. BRADLEY, PH.B., *Laboratory Assistant in Analytical Chemistry*

GEORGE A. HANFORD, B.A., *Assistant in Physiological Chemistry*

JAMES A. BROOKS, PH.B., *Assistant in Drawing*

WALTER M. SANDERS, PH.B., *Laboratory Assistant in Chemistry*

### OBJECTS

THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require special proficiency in these departments of learning. Instruction is also given in French, German, Spanish, English, History, Political Economy, and Political Science. The Sheffield Scientific School is one of the departments of the University, like the law, medical, theological, and art schools, having its separate funds, buildings, teachers, and regulations, but governed by the Corporation of Yale University, which appoints the professors and confers the degrees. It is, in part, analogous to the academical department, or college, and, in part, to the professional schools.

The instruction is intended for two classes of students:—

I.—Graduates of this and other universities or colleges, and other persons qualified for advanced or special scientific study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in less part linguistic and literary, for higher scientific studies, or for various other occupations to which such training is suited.

### HISTORY AND ORGANIZATION

The School was commenced in 1847. In 1860, a convenient building and a considerable endowment were given by Joseph E. Sheffield, Esq., of New Haven, whose name, at the repeated request of the Corporation of Yale College, was subsequently attached to the foundation. Mr. Sheffield afterwards frequently and munificently increased his original gifts.

In 1863, by an act of the Connecticut Legislature, the national grant for the promotion of scientific education (under the congressional enactment of July, 1862) was given to this department of Yale University, which thus became the College of Agriculture and the Mechanic Arts for Connecticut. By an act of the State Legislature in 1892 this was revoked and the special relations of the School to the State created by the act of 1863 were terminated.

During the last thirty years numerous liberal gifts have been received from the citizens of New Haven, and from others in Connecticut and elsewhere, for the endowment of the School and the increase of its collections, by which the facilities of the institution have been greatly enlarged.

The Governing Board consists of the President of the University and the professors who are permanently attached to the School. There are many other instructors associated with them, some of whom are connected with other departments of the University.

#### INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS .

Persons who have gone through undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the natural and physical sciences and their applications, gaining in one, two, or three years the degree of BACHELOR OF PHILOSOPHY, or in two additional years of Engineering study that of CIVIL ENGINEER or that of MECHANICAL ENGINEER.

Or, engaging in studies of a less exclusively technical character, they may become candidates for the degree of MASTER OF SCIENCE or DOCTOR OF PHILOSOPHY. The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by the graduate instructors in other departments of the University.

The degree of MASTER OF SCIENCE is conferred upon graduates of this or other universities, of two years'

standing or upwards, who have taken their first degree in science, and who pursue successfully a higher course of study in science under the direction of the Governing Board. Such a course will involve at least one year of resident graduate study, followed by an examination and the presentation of a satisfactory thesis in some department of science. A committee of the Faculty is appointed (consisting for the present year of Professors Chittenden and Richards) to whom all candidates for this degree must submit their proposed courses of study for approval before the end of October of each year. The fee for graduation is ten dollars.

The degree of DOCTOR OF PHILOSOPHY is conferred upon those students who show the results of resident graduate work by a thesis giving evidence of high attainment and power of investigation, and by an examination on studies whose grade and amount meet the approval of the Faculty. Under ordinary circumstances two or more years' work will be required, but in certain exceptional cases work of equal grade at another University may take the place of a year's residence here. Whenever the course of undergraduate study has been less than four years, three years of graduate work will be required. The thesis must be deposited at the Library for public inspection not later than May 1. A good knowledge of Latin, German, and French is required in all cases, unless, for some very exceptional reasons, the candidate be excused by the Faculty. The fee for graduation is ten dollars.

A detailed statement of the graduate instruction of the University, including about 340 courses, is printed in a separate pamphlet, and may be had on application to the Secretary of the University. The principal courses offered in the Sheffield Scientific School are given by the following instructors:

Professor PENFIELD, in Mineralogy and Crystallography.

Professor PIRSSON, in Physical Geology and in Petrology.

Professor BREWER, in Agriculture and Forest Culture, and in Physical Geography.

Professor CLARK, in Determinants and Differential Equations.

Professor RICHARDS, in Mechanical Engineering.

Professor LOUNSBURY, in English Literature.

Professor VERRILL, in Zoology.

Professor S. I. SMITH and Dr. COE, in General Biology, Comparative Anatomy, and Embryology.

Professor DuBOIS, in Civil Engineering.

Professor HASTINGS, in selected subjects in Physics, and guidance in laboratory work.

Professor FARNAM, in Applied Economics.

Professor CHITTENDEN and Assistant Professor MENDEL, in Physiological Chemistry, Physiology, and Experimental Toxicology.

Professor WELLS in Analytical Chemistry, Inorganic Chemistry, and Metallurgy.

Professor BEECHER, in Invertebrate Paleontology.

Professor CORWIN, in German.

Assistant Professor CROSS, in English Literature.

Assistant Professor P. F. SMITH, in the Theory of Plane Curves and the Theory of Surfaces and Curves in Space.

Dr. EVANS, in Structural and Systematic Botany with special reference to the Microscopic Anatomy of Phanerogamous and Cryptogamous Plants.

Mr. COMSTOCK and Assistant Professor H. L. WHEELER in Organic Chemistry.

Dr. LOCKE, in the Constitution of Chemical Compounds.

Dr. BOLTWOOD, in Physico-Chemical measurements and Electro-Chemistry.

Dr. STARKWEATHER, in Mechanics.

Dr. LOWE, in English Constitutional History.

The same courses of study are open, for a longer or shorter time, to graduate students who do not desire to become candidates for a degree.

Students who have taken the degree of Bachelor of Philosophy, may obtain the degree of CIVIL or of MECHANICAL

ENGINEER at the end of two academical years, by pursuing the following higher courses of study and professional training.

The course of study for the degree of CIVIL ENGINEER will comprise—

1. Higher Calculus, Higher Geometry, Theory of Numerical Operations.
2. Analytical Mechanics, Mechanics applied to Engineering.
3. Practical Astronomy, with use of instruments, computations, etc.
4. Construction and Design.
5. Selected subjects in Civil Engineering.
6. Preparation of Theses on special subjects in Engineering.

The course will occupy two years. During the second year candidates may, with the consent of the Professor of Civil Engineering, engage in professional practice.

To secure the requisite amount of professional knowledge and practice, the candidate will be required to furnish a comprehensive report of the results of an examination into the existing condition of some special line of constructive art ; or to present proper evidence that he has had actual charge in the field, for several months, of construction or surveying parties, or held some responsible position deemed equivalent to this.

A design must also be submitted of some projected work, based upon data obtained by the candidate, and comprising all the requisite calculations, and the necessary detailed drawings, accompanied by specifications.

The fee for this degree is five dollars.

The course of study for the degree of MECHANICAL ENGINEER will comprise—

1. Higher Calculus, Higher Geometry, Theory of Numerical Operations.
2. General Principles of Dynamics (Analytical Mechanics), including special application of these principles to dynamic problems.
3. Construction of Machines. Designs.
4. Preparation of Theses on special subjects in Mechanical Engineering.

During the second year, candidates will be permitted to employ such portion of their time as may be deemed advisable or necessary in the examination of engineering



works and manufacturing establishments, and may also have the privilege of entering upon professional practice, provided it is done with the knowledge and consent of the Professor of Mechanical Engineering, and under such circumstances as shall appear to him to be favorable to professional progress.

An elaborate thesis on some professional subject, with an original design, or project, accompanied by proper working drawings, will be required at the end of the second year.

The fee for this degree is five dollars.

**SPECIAL STUDENTS**—For the benefit of those who, being fully qualified, desire to pursue particular studies without reference to the obtaining of a degree, special or irregular students are received in most of the departments of the School; not, however, in the Select Course, nor in the Freshman class.

It should be distinctly understood, however, that these opportunities are designed especially to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

#### TERMS OF ADMISSION

Candidates must be not less than sixteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission to the Freshman class the student must pass a thorough examination in the subjects mentioned below. The subjects required for the full entrance examination are as follows:

1. *English Grammar*—Whitney's *Essentials of English Grammar*, or an equivalent.
2. *English Literature*—Preliminary [see page 17].
3. *English Literature*—Final [see page 18].
4. *History of England*—Cowan and Kendall's *A History of England* or an equivalent.

5. *History of the United States.*

In history, a thorough acquaintance with some one of the more recent and accurate text-books (such as Ransome's *Short History of England*, Montgomery's *Students' American History*, Channing's *Students' History of the United States* or McLaughlin's *History of the American Nation*), is expected. The examination, however, is not designed as a memory test merely, but will call for comparison, the exercise of judgment, and will be framed on the supposition that the student has done systematic note-book work and has an adequate knowledge of historical geography. To this end and in order to create a live interest in the subject, it is strongly recommended that the student be urged to follow, under his teacher's guidance, a course of supplementary reading, so arranged as to cover the more important periods and events, especial attention being given to social development, constitutional growth, and the principles of government.

In exceptional cases, by special permission, either Greek or Roman history may be substituted for the History of the United States. In such cases the examination in the history of Greece will cover the period down to the death of Alexander the Great ; and the examination in Roman history will cover the period to 410 A. D.

6. *Latin Grammar and Composition*—The examination in Latin Grammar will be based on connected passages taken from the first and second books of Caesar's *Gallic War*. The exercises set for translation from English into Latin will involve the vocabulary and idiom of these two books.

7. *Caesar or Nepos*—The first four books of the *Gallic War*.

The first twelve of Nepos' *Lives*, as they appear in the Teubner edition, will be accepted as an equivalent for the third and fourth books of Caesar. For the first and second books of Caesar no equivalent will be accepted.

8. *Vergil or Cicero*—The first three books of the *Aeneid*. This involves an ability to scan Latin hexameters.

Cicero's orations against Catiline and for Archias may be offered in place of Vergil.

In order to allow the preparatory schools still further freedom in arranging their courses of work, examination papers will be prepared on other equivalents of the texts mentioned above, provided a sufficient number of candidates apply to the Registrar of the Sheffield Scientific School for such a paper before May 1.

9. *German or French*—Candidates will be required to translate at sight simple prose selections from German or French authors, and to have such a knowledge of grammar as will enable them to read the selections intelligently. This implies familiarity with the declensions of nouns, adjectives, and pronouns, with the conjugation and inflection of verbs, and with the syntax of cases. An ability to translate simple sentences from English into German or French will also be requisite.
- The candidate is at liberty to decide for himself in which of the two languages he shall be examined.
10. *Algebra to Quadratics*—Fundamental Operations, Fractions, Equations of the First Degree, with one or several unknown quantities, Inequalities, Powers and Roots, including the Theory of Exponents, the Binomial Formula for a Positive Entire Exponent, and the Transformation and Reduction of Radicals.
11. *Algebra from Quadratics*—Equations of the Second Degree, Ratio and Proportion, Progressions, Continued Fractions, Permutations and Combinations, the Doctrine of Limits, the Nature of Series, the Method of Indeterminate Coefficients, Fundamental Properties of Logarithms, Compound Interest, and Annuities.
12. *Plane Geometry*—Including fundamental notions of Symmetry, and examples of Loci and Maxima and Minima of Plane Figures, so much, for example, as is contained in the first five books and the appendix of Phillips and Fisher's *Geometry*.
13. *Solid and Spherical Geometry*—So much, for example, as is contained in the last four books of Phillips and Fisher's *Geometry*.
14. *Trigonometry and the use of Logarithms*—Including the Analytical Theory of the Trigonometrical Functions, and the usual formulae; the Construction and Use of Trigonometrical Tables; and the Solution of Plane Triangles:—so much, for example, as is contained in the first six chapters of Newcomb's larger *Trigonometry* and in articles 75-78 of chapter viii, with the explanation of the first five tables in Newcomb's five-figure *Logarithmic and Trigonometric Tables*, which are furnished at the examinations in New Haven. Candidates examined elsewhere are provided with Beebe's four-place tables, published by H. H. Peck, New Haven.
15. *Either Botany or Chemistry or Physics*—In Botany the requirements will include a knowledge of the structure and of the principles of classification of flowering plants, together with matters pertaining to fertilization and the dissemination of seeds.

Gray's *Elements of Botany*, or Bergen's *Elements of Botany*, is recommended as a suitable aid in preparing for the examination. It is desirable that the candidate should have had some experience in the analysis of common flowering plants.

Where *Chemistry* is offered there will be required (a) a knowledge of the common elements and their compounds, based upon class-room and laboratory work. This will include ability to sketch the apparatus used in the laboratory experiments, and to describe the phenomena observed. (b) Ability to write equations of simple reactions and to make calculations of the quantities involved in them, atomic weights being supplied. (c) Familiarity with the laws of chemical combination, including gases, and with the fundamental atomic and molecular theories.

In *Physics* the examination will be designed to test the candidate's familiarity with the general phenomena of mechanics, sound, light, heat, magnetism and electricity, and his knowledge of the simpler laws governing these phenomena. If his course of instruction has involved work in the laboratory a portion of the paper will be given to the methods of the laboratory as exemplified in some leading experiments.

In his preparation in GEOMETRY, the candidate should, as far as practicable, have suitable exercises in proving simple theorems and in solving simple problems for himself. It is important, too, that he should be accustomed to the numerical application of geometric principles, and especially to the prompt recollection and use of the elementary formulae of mensuration. In TRIGONOMETRY, he should be exercised in applying the usual formulae to a variety of simple reductions and transformations, including the solution of trigonometrical equations. Readiness and accuracy in trigonometrical calculations are also of prime importance to the candidate. If the use of logarithms is postponed in his preparation till Trigonometry is taken up (which is by no means necessary or advisable), he should then have abundant applications of them to all forms of calculation occurring in ordinary practice, as well as to those appearing in the solutions of triangles. Finally, in all his calculations, he should study the art of neat and orderly arrangement.

IN ENGLISH LITERATURE the following requirements are to be noted :

I. READING AND PRACTICE—A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics,

to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before him in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books.

In preparation for this part of the requirement, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination will be:—

Preliminary Examination in 1899, for the class entering in 1900: Dryden's *Palamon and Arcite*; Pope's *Iliad*, Books i, vi, xxii, and xxiv; *The Sir Roger de Coverley Papers* in *The Spectator*; Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe*; DeQuincey's *The Flight of a Tartar Tribe*; Cooper's *The Last of the Mohicans*; Tennyson's *The Princess*; Lowell's *The Vision of Sir Launfal*.

Preliminary Examination in 1900 and in 1901, for the classes entering in 1901 and in 1902: Shakespeare's *The Merchant of Venice*; Pope's *Iliad*, Books i, vi, xxii, and xxiv; *The Sir Roger de Coverley Papers* in *The Spectator*; Goldsmith's *The Vicar of Wakefield*; Coleridge's *The Ancient Mariner*; Scott's *Ivanhoe*; Cooper's *The Last of the Mohicans*; Tennyson's *The Princess*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*.

Preliminary examination in 1902, 1903, and 1904, for classes entering in 1903, 1904, 1905: Shakespeare's *The Merchant of Venice* and *Julius Caesar*; *The Sir Roger de Coverley Papers* in *The Spectator*; Goldsmith's *The Vicar of Wakefield*; Coleridge's *The Ancient Mariner*; Scott's *Ivanhoe*; Carlyle's *Essay on Burns*; Tennyson's *The Princess*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*.

II. STUDY AND PRACTICE—This part of the examination presupposes more careful study of each of the works named below. The examination will be upon subject-matter, form, and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this part of the examination will be:

Final Examination in 1900: Shakespeare's *Macbeth*; Milton's *Paradise Lost*, Books i and ii; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton and Addison*.

Final examination in 1901, 1902, 1903, 1904, and 1905: Shakespeare's *Macbeth*; Milton's *Lycidas*, *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's

*Speech on Conciliation with America ; Macaulay's Essays on Milton and Addison.*

For candidates who take a complete examination in English at a single session, this examination will cover the books set for the final examination in that year, together with those set for the preliminary examination in the preceding year ; for example, the complete examination in 1900 will cover the books set for the final examination in 1900, together with those set for the preliminary examination in 1899.

No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or divisions into paragraphs.

Candidates are allowed to divide the examination, first taking any five or more of the whole number of subjects at a regular examination, either in June or in September, and then completing it at either of the examinations in the next calendar year. At the first, or preliminary, examination, each candidate must submit a statement from his principal instructor of the subjects which he is authorized to offer. No preliminary certificate will be given for this examination, unless at least five of the above fifteen subjects have been passed satisfactorily.

THE REGULAR EXAMINATION FOR ADMISSION in 1900 will be held in New Haven at North Sheffield Hall, on Thursday, Friday, and Saturday, June 28, 29, and 30, beginning at 9 A. M. on Thursday. *Attendance is required at the opening of the examination, at 9 A. M. on Thursday.*

In 1900, examinations (for the Freshman class only) will also be held in

Albany, N. Y., at the Albany Academy ;

Andover, Mass., at Phillips Academy ;

Auburn, N. Y., at the High School ;

Buffalo, N. Y., at the Central High School ;

Chicago, Ill., at the Bryant & Stratton Business College, northwest corner of Wabash avenue and Congress street ;

Cincinnati, O., at the Hughes High School, 5th street, head of Mound ;

Cleveland, O., at the University School, Haugh avenue and Giddings street ;

in Columbus, O., at the High School ;  
Concord, N. H., at St. Paul's School ;  
Denver, Col., at the East Denver High School ;  
Detroit, Mich., at the Central High School ;  
Easthampton, Mass., at Williston Seminary ;  
Exeter, N. H., at Phillips Academy ;  
Groton, Mass., at Groton School ;  
Kansas City, Mo., at the Kansas City High School, southeast corner  
of 11th and Locust streets ;  
Knoxville, Tenn., at the University School ;  
Lakeville, Conn., at the Hotchkiss School ;  
Lawrenceville, N. J., at the Lawrenceville School ;  
Louisville, Ky., at the Male High School ;  
Milwaukee, Wisc., at the Milwaukee Academy, 471 VanBeuren  
street ;  
New York City, at the Y. M. C. A. building, 23d street and 4th  
avenue ;  
Norwich, Conn., at the Free Academy ;  
Philadelphia, Pa., at the Eastburn Academy, 700 North Broad street ;  
Pittsburg, Pa., at Shady Side Academy ;  
Pomfret, Conn., at the Pomfret School ;  
Portland, Oregon, at the Bishop Scott Academy ;  
Pottstown, Pa., at the Hill School ;  
San Francisco, Cal., at the Urban School, 2124 California street ;  
St. Louis, Mo., at the Board of Education Building, corner 9th and  
Locust streets ;  
St. Paul, Minn., at the High School ;  
Scranton, Pa., at the School of the Lackawanna ;  
Sing Sing, N. Y., at Dr. Holbrook's Military Academy ;  
Southboro, Mass., at St. Mark's School ;  
Tacoma, Wash., at the Tacoma Academy ;  
Washington, D. C., in the examining-room of the Patent Law  
Association, S. E. corner 9th and F sts., N. W.

Candidates who propose to be present elsewhere than in New Haven are requested to send their names to the Registrar of the School, before June 1. A fee of five dollars, payable at the place of examination, will be charged for admission to the examinations outside of New Haven.

A second examination is held, in New Haven, at the beginning of the college year, on Monday, Tuesday, and

Wednesday, September 24, 25, and 26, 1900. Candidates for this examination must be present at North Sheffield Hall at 2 P. M. on Monday.

## ORDER OF EXAMINATIONS IN JUNE, 1900

*Thursday, June 28*

## MORNING

[Session begins at 9.00 A. M.]

Latin Grammar and Composition, . . . . .	9.40—10.40
Caesar, . . . . .	10.45—11.30
Vergil, . . . . .	11.35—12.30

## AFTERNOON

Botany or Chemistry or Physics, . . . . .	2.30— 3.30
German or French, . . . . .	3.35— 4.35
Plane Geometry, . . . . .	4.40— 6.00

*Friday, June 29*

## MORNING

Solid and Spherical Geometry, . . . . .	9.00—10.30
English Grammar, . . . . .	10.35—11.05
English Literature, (preliminary) . . . . .	11.05—11.55
English Literature, (final) . . . . .	12.00— 1.00

## AFTERNOON

Algebra to Quadratics, . . . . .	3.00— 4.25
Algebra from Quadratics, . . . . .	4.30— 6.00

*Saturday, June 30*

History of the United States, . . . . .	9.00— 9.45
History of England, . . . . .	9.50—10.35
Trigonometry and Logarithms, . . . . .	10.40— 1.00

## ORDER OF EXAMINATIONS IN SEPTEMBER, 1900

*Monday, September 24*

[Session begins at 2.00 P. M.]

Latin Grammar and Composition, . . . . .	2.30— 3.30
Caesar, . . . . .	3.35— 4.25
Vergil, . . . . .	4.30— 5.30



*Tuesday, September 25*

## MORNING

Botany or Chemistry or Physics,	. . .	9.00—10.00
German or French,	. . . . .	10.05—11.05
Plane Geometry,	. . . . .	11.10—12.30

## AFTERNOON

Solid and Spherical Geometry,	. . .	2.00— 3.30
English Grammar,	. . . . .	3.35— 4.05
English Literature, (preliminary)	. . .	4.10— 5.00
English Literature, (final)	. . . . .	5.00— 6.00

*Wednesday, September 26*

## MORNING

Algebra to Quadratics,	. . . . .	9.00—10.30
Algebra from Quadratics,	. . . . .	10.40—12.10

## AFTERNOON

History of the United States,	. . .	2.00— 2.45
History of England,	. . . . .	2.50— 3.35
Trigonometry and Logarithms,	. . .	3.40— 6.00

In general, examinations for admission to the *next* Freshman class can be held only in June and September as specified; if in any case sufficient reason exists for an exception to this rule, a special fee (not exceeding fifty dollars) will be charged.

All candidates for advanced standing are examined, in addition to the preparatory studies, in the studies already pursued by the class which they wish to enter. No one is admitted as a candidate for a degree later than at the beginning of the Senior year.

## INSTRUCTION FOR UNDERGRADUATE STUDENTS

COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The first year's work is the same for all, and is a general preparation for the advanced and special work of the later courses. The instruction of this year has a general scientific basis of mathematics, chemistry, and physics. In addition to these studies special atten-

tion is given to English and the modern languages. For the other years, the instruction is chiefly arranged in Special Courses. Modern languages are, however, studied by all of the students, irrespective of the special course which they may elect. They have the choice between French and German as a requisite to admission, the language taken in the entrance examinations being continued through Freshman and Junior years, while the other language is begun in Junior year and carried through to the end of Senior year. The Courses most distinctly marked out are :

- |   |                                  |
|---|----------------------------------|
| (a.) In Chemistry ;   | (b.) In Civil Engineering ;      |
| (c.) In Mechanical Engineering ;                              | (d.) In Electrical Engineering ; |
| (e.) In Agriculture ;   | (f.) In Natural History ;        |
| (g.) In Mineralogy and other studies preparatory to Geology ; |                                  |
| (h.) In Biology preparatory to Medical studies ;              |                                  |
| (i.) In studies preparatory to Mining and Metallurgy ;        |                                  |
| (j.) In Select studies preparatory to other higher studies.   |                                  |

The arrangement of studies is indicated in the annexed scheme. A fuller statement of the methods and character of the instruction will be found below, pp. 166 to 182. Unless otherwise specified, the number of hours given means hours per week.

#### FRESHMAN YEAR: INTRODUCTORY TO ALL COURSES

**FIRST TERM:**—*German or French*—3 hrs. *Mathematics*—Higher Algebra: Derivatives of Algebraic Functions, Fundamental Properties of Equations, Solution of Numerical Equations; 3 hrs. first half of term; Plane Analytical Geometry, 3 hrs. last half of term. *Physics*—Recitations, 2 hrs.; Experimental Lectures, 2 hrs. *Chemistry*—Mixer's; Recitations, 2 hrs.; Lectures and Laboratory Practice, 2½ hrs. *English*—Lounsbury's History of the English Language, 2 hrs. *Free-hand Drawing*—Practical lessons in the Art School, 3 hrs.

**SECOND TERM:**—*German or French, Physics and Chemistry*—as stated above. *Mathematics*—Plane Analytical Geometry, continued; 3 hrs. *English*—Shakespeare, Wordsworth, Tennyson, and Browning, 2 hrs. *Drawing*—Principles of Orthographic, Isometric, and Oblique Projection; Intersection and Development of Surfaces; Outlines of Shadows; Shading and Tinting; Elements of Perspective; Examples of various applications of Instrumental Drawing; 3 hrs.

NOTE. The Freshman class is divided, as soon as practicable, into several divisions according to scholarship, and an opportunity to make more rapid progress is thus given to the more proficient.

For the Junior and Senior years, the students select for themselves one of the following Courses :

#### (a.) IN CHEMISTRY :

##### JUNIOR YEAR :

FIRST TERM :—*Organic Chemistry*—Lectures and Recitations, 2 hrs. ; *Qualitative Analysis*—Recitations and Lectures, 4 hrs. ; Laboratory Practice, 15 hrs. *Mineralogy*—Blowpipe Practice and Determinative Mineralogy, 4 hrs. ; English Composition, 1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM :—*Organic Chemistry*—Laboratory Practice, 15 hrs. for 4 weeks ; Lectures and Recitations, 2 hrs. *Quantitative Analysis and Inorganic Preparations*—Laboratory Practice after 4 weeks, 15 hrs. ; Recitations, 2 hrs. *Mineralogy*—Blowpipe Analysis and Determination of Species, 3 hrs. ; Lectures in Crystallography and Descriptive Mineralogy, 2 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

##### SENIOR YEAR :

FIRST TERM :—*Organic Chemistry*—Recitations and Lectures, 2 hrs. *General and Theoretical Chemistry*—Recitations, 3 hrs. *Quantitative Analysis*—15 hrs. *Geology*—Recitations, 3 hrs. *French or German*—3 hrs.

SECOND TERM :—*Physical Chemistry*—Recitations, 3 hrs. *Inorganic Preparations* followed by *Organic Preparations*, 15 hrs. *General Chemistry, Metallurgy, Assaying, and Gas Analysis*—2 hrs. *Geology*—3 hrs. *Mineralogy*—(optional). *Elementary Petrology*—Lectures (optional) 1 hr. *French or German*—3 hrs.

#### (b.) IN CIVIL ENGINEERING :

##### JUNIOR YEAR :

FIRST TERM :—*Mathematics*—Analytical Geometry of Three Dimensions ; Differential Calculus, with applications to Geometry, Kinematics, and Analysis ; 5 hrs. *Drawing*—Bridge details ; 2 hrs. *Surveying*—Field-work, first three weeks in September ; Mapping, 12 hrs. until November. *Spherical Trigonometry*—4 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM :—*Mathematics*—Integral Calculus with applications to Geometry, 5 hrs. *Drawing*—Bridge details, 2 hrs. *Drawing*—Descriptive Geometry, 8 hrs. *Surveying*—Topographical and Railroad curves, 16 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

## SENIOR YEAR :

FIRST TERM : *Field Engineering*—Location of line of Railroad ; first three weeks in September. Office-work ; mapping ; calculation of earthwork ; lectures on economic location ; 6 hrs. *Railroad Economics*—Lectures, 2 hrs. *Mechanics*—Statics, 3 hrs. *Civil Engineering*—Mechanics applied to Engineering ; Strength of Materials ; Bridges and Roofs ; 6 hrs. *Sanitary Engineering*—3 hrs. *Geology*—Recitations, 3 hrs. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy, 8 hrs. *French or German*—3 hrs.

SECOND TERM :—*Civil Engineering* — Bridges and Roofs ; Building Materials ; Stability of Arches and Walls ; Foundations ; 6 hrs. *Sanitary Engineering*—3 hrs. *Mechanics*—Applied Mechanics, 6 hrs. *Hydraulics*—Hydraulics and Hydraulic Motors, 3 hrs. *Drawing*—Designing ; Practical Problems ; Specifications and Estimates ; 12 hrs. *Astronomy*—Practical Astronomy, with field-work ; Adjustment of observations ; Theory of Least Squares ; 6 hrs. *Geology*—3 hrs. *Elementary Petrology*—Lectures (optional) 1 hr. *French or German*—3 hrs.

## (c.) IN MECHANICAL ENGINEERING :

## JUNIOR YEAR :

FIRST TERM :—*Mathematics*—Analytical Geometry of Three Dimensions ; Differential Calculus, with applications to Geometry, Kinematics, and Analysis ; 5 hrs. *Thermodynamics*, 2 hrs. *Principles of Mechanism*—Applied Kinematics, 2 hrs. *Drawing*—Descriptive Geometry, 3 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM :—*Mathematics*—Integral Calculus, with applications to Geometry, 5 hrs. *Shop Visiting*—Study of Machine Details and Tools, 1½ hrs. *Thermodynamics* until about April, afterwards *Theoretical Mechanics* ; 2 hrs. *Drawing*—Machine Elements and Mechanical Movements, 3 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

## SENIOR YEAR :

FIRST TERM : *Theoretical Mechanics*—3 hrs. *Study of Heat Engines and the Steam-Boiler*—4 hrs. *Mechanics of Materials*—2 hrs. *Machine Designing*—Practical Exercises in Designing Machine-Details and Simple Machines, 8 hrs. *Visits of Inspection*—Examination of Machinery in Operation ; Reports of Visits. *French or German*—3 hrs. *Blowpipe Analysis and Determinative Mineralogy* (optional)—3 hrs.

SECOND TERM:—*Theoretical Mechanics*—continued, 3 hrs. *Study of Heat Engines and the Steam Boiler*, continued until about March—3 hrs. *Stresses in Structures*—3 hrs. after February. *Hydrostatics and Hydrodynamics*—Including Resistance of Ships and Theory of Water-Wheels and Turbines, 3 hrs. *Machine Designing*—continued, 8 hrs. *French or German*—3 hrs. *Mineralogy* (optional)—3 hrs.

#### (d.) IN ELECTRICAL ENGINEERING:

##### JUNIOR YEAR:

FIRST TERM:—*Mathematics*—Analytical Geometry of Three Dimensions; Differential Calculus, with applications to Geometry, Kinematics, and Analysis; 5 hrs. *Theory of Heat*—2 hrs. *Descriptive Geometry*—3 hrs. *Mechanism*—2 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM:—*Mathematics*—Integral Calculus, with applications to Geometry, 5 hrs. *Theory of Electricity*—2 hrs. *Descriptive Geometry and Drawing*—3 hrs. *Mechanism* followed by *Shop-Visiting*—2 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

##### SENIOR YEAR:

FIRST TERM:—*Theory of Observations and Theory of Instruments*—5 hrs. *Laboratory Work*—6 hrs. *Machine Designing*—6 hrs. *Study of the Steam Engine*—2 hrs. *French or German*—3 hrs.

SECOND TERM:—*Theory of Electricity*—5 hrs. *Laboratory Work*—6 hrs. *Machine Designing*—6 hrs. *Steam Engine*—2 hrs. *French or German*—3 hrs.

#### (e.) IN AGRICULTURE:

##### JUNIOR YEAR:

The course is identical with that in Chemistry, except that in the second term lectures in Crystallography and Descriptive Mineralogy are omitted, and in the Spring half-term Botany is substituted for Determinative Mineralogy.

##### SENIOR YEAR:

FIRST TERM:—*Agriculture*—Recitations, 2 hrs. *Agricultural Chemistry* (Chemical Physiology of Vegetation)—Lectures, 2 hrs. *Geology*—Recitations, 3 hrs. *Zoology*—Lectures, 2 hrs. *Meteorology*—Lectures, 2 hrs. *Botany*—Laboratory Practice, 5 hrs. *French or German*, 3 hrs.

SECOND TERM:—*Agriculture*—Recitations or Lectures, 2 hrs. *Agricultural Chemistry*—Lectures, 2 hrs. *Physiology*—Recitations and Lectures, 2 hrs. *Geology*—Recitations, 3 hrs. *Zoology*—continued, 2 hrs.

*Heredity and Stock-Breeding*—Lectures, 2 hrs. during Winter half-term. *Sanitary Science and Public Health*—Lectures, 2 hrs. during Spring half-term. *French or German*—3 hrs.

(f.) IN NATURAL HISTORY :

Either Zoology or Botany may be made the principal laboratory study, some attention in each case being directed to the other branches of Natural History.

JUNIOR YEAR :

**FIRST TERM** :—*Organic Chemistry*—Lectures and Recitations, 2 hrs. *Qualitative Analysis*—Recitations and Lectures, 4 hrs. Laboratory Practice, 15 hrs. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy, 3 hrs. *Physical Geography*—2 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

**SECOND TERM** :—*Zoology*—Laboratory Practice, 6 to 12 hrs.; Recitations and lectures; Excursions (land and marine). *Botany*—Laboratory Practice in a study of the Morphology of the lower Cryptogamous Plants, 3 hrs. during Spring half-term. *Physiology*—Recitations and Lectures, 2 hrs. *Embryology*—Lectures. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy, 4 hrs. *Physical Geography*—2 hrs. during Winter half-term. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SENIOR YEAR :

**FIRST TERM** :—*Geology*—Recitations, 3 hrs. *Zoology*—Laboratory Practice, 8 to 15 hrs.; Lectures, 2 hrs.; Recitations, 3 hrs.; Excursions. *Botany*—Laboratory Practice in the study of the Morphology of the higher Cryptogamous and Phanerogamous Plants, 6 hrs. *Meteorology*—Lectures, 2 hrs. *French or German*—3 hrs.

**SECOND TERM** :—*Geology*—Recitations, 3 hrs. *Anatomy of Vertebrates*—2 hrs. *Zoology*—Laboratory Practice, 8 to 15 hrs.; Recitations, 2 hrs.; Lectures, 2 hrs. *Botany*—Herbarium Studies, in any desired line; Botanical Literature; Essays in Descriptive Botany. *Sanitary Science, Laws of Heredity, and Principles of Breeding*—Lectures. *French or German*—3 hrs.

Besides the regular course of recitations and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught in the laboratories to prepare, arrange, and identify collections, to prepare sections and other microscopic objects, to make dissections and drawings, to pursue special investigations, and when sufficiently advanced, to describe genera and species in the language of science. For these purposes, large collections in Zoology and Botany belonging to the University are available.

(g.) IN MINERALOGY AND OTHER STUDIES PREPARATORY TO GEOLOGY:

JUNIOR YEAR:

In Junior year the course is identical with that in Chemistry.

SENIOR YEAR:

FIRST TERM:—During the first term the course is identical with that in Chemistry.

SECOND TERM:—*Crystallography*, including the use of the Reflecting Goniometer, and the drawing and calculation of Crystals. *Optical Properties of Crystals* and the use of the Polarizing Microscope—Laboratory Instruction and Practice, 20 hrs. *Mineralogy*—Lectures, 2 hrs. *General Chemistry, Metallurgy, Assaying, and Gas Analysis*—2 hrs. *Elementary Petrology*—Lectures, 1 hr. *Geology*—3 hrs. *French or German*—3 hrs.

This course is open only to students who have maintained a high scholarship standing in the chemical studies of Junior year, and only a limited number can be accommodated.

(h.) IN BIOLOGY PREPARATORY TO MEDICAL STUDIES:

JUNIOR YEAR:

FIRST TERM:—*Organic Chemistry*—Lectures and Recitations, 2 hrs. *Qualitative Analysis*—Laboratory Practice, 15 hrs.; Recitations and Lectures, 4 hrs. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy, 3 hrs. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

SECOND TERM:—*Organic Chemistry*—continued, 15 hrs. for four weeks and 2 hrs. for rest of term. *Comparative Anatomy and General Biology*—Lectures, Recitations and Laboratory Practice, 15 hrs., commencing the fifth week of the term; *Physiology*—Recitations, 2 hrs. *Laboratory Physics*—4 hrs. during Spring half-term. *Mineralogy*—continued through Winter half-term, 4 hrs. *Botany*—Laboratory Practice in a study of the Morphology of the lower Cryptogamous Plants, 3 hrs. during Spring half-term. *English Composition*—1 hr. *French*—3 hrs. *German*—3 hrs.

SENIOR YEAR:

FIRST TERM:—*Physiological Chemistry and Physiology*—Recitations and Lectures, 1 hr.; Laboratory Practice with demonstrations, 13 hrs. *Organic Chemistry*—Lectures and Recitations, 2 hrs. *Zoology*—Lectures, 2 hrs. *Botany*—Laboratory Practice in the study of the Morphology of the higher Cryptogamous and Phanerogamous Plants, 6 hrs.; Lecture, 1 hr. *Geology*—Recitations, 3 hrs. *French or German*—3 hrs.

**SECOND TERM:**—*Physiological Chemistry, Physiology, and Experimental Toxicology*—Illustrative Lectures and Recitations, 4 hrs., Laboratory Practice, 13 hrs. *Organic Chemistry*—2 hrs. during Winter half-term. *Geology*—Recitations, 3 hrs. *Morphology and Embryology of Vertebrates*—Lectures and demonstrations, 6 hrs. during Winter half-term. *Zoology*—Laboratory work in the dissection of typical Animal Forms, 4 hrs. *Sanitary Science*—Lectures, 2 hrs. during Spring half-term. *Laws of Heredity and Principles of Breeding*—Lectures, 2 hrs. during Winter half-term. *French or German*—3 hrs.

#### (i.) IN STUDIES PREPARATORY TO MINING AND METALLURGY:

Young men desiring to become Mining Engineers can pursue the regular Course in Civil or Mechanical Engineering, and at its close can spend a fourth year in the study of Metallurgical Chemistry, Mineralogy, etc.

#### (j.) IN SELECT STUDIES PREPARATORY TO OTHER HIGHER STUDIES:

##### JUNIOR YEAR:

**FIRST TERM:**—*Physical Geography*—Recitations from Warren, and Lectures, 4 hrs. *English*—Early English, 2 hrs. *History*—Ancient and Medieval, 5 hrs. *English Composition*—1 hr. *French*—3 hrs. *German*—3 hrs.

**SECOND TERM:**—*Astronomy*—4 hrs. during Winter half-term. *Botany*—Lectures; Laboratory Practice in the study of Phanerogamous Plants, 4 hrs. during Spring half-term. *English*—Chaucer, Bacon, Shakespeare, 3 hrs. *History*—Medieval and Modern, with special reference to the History of England, 4 hrs. during Winter half-term; 5 hrs. during Spring half-term. *English Composition*—1 hr. *German*—3 hrs. *French*—3 hrs.

##### SENIOR YEAR:

**FIRST TERM:**—*Geology*—Recitations, 3 hrs.; Excursions. *Meteorology*—Lectures, 2 hrs. *English*—Shakespeare, 4 hrs. *Economics*—4 hrs. *Constitutional History of the United States*—3 hrs. *French or German*—3 hrs.

**SECOND TERM:**—*Zoology*, 3 hrs. during Winter half-term. *Heredity*—Lectures, 2 hrs. during Winter half-term. *Sanitary Science*—Lectures, 2 hrs. during Spring half-term. *Economics*—Recitations, Exercises, and Lectures, 5 hrs. during first part of Winter half-term,



followed by *Economics*, 2 hrs. and *Political Science*, 3 hrs., during the remainder of the year. *History*—Constitutional History of the United States, 3 hrs. during Winter half-term and 2 hrs. during Spring half-term. *English*—Shakespeare, Milton, Dryden, Pope, Gray, and later authors, 3 hrs. during Winter half-term, 4 hrs. during Spring half-term. *French or German*—3 hrs.

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Lectures and instruction in Military Science are given to the Senior class by the Professor of Military Science and Tactics, once a week during the Fall term.

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The following account of the various subjects specified in the above scheme will explain the character and aim of the instruction.

**ELEMENTARY CHEMISTRY**—The exercises in Elementary Chemistry consist in recitations from a text-book, and experiments by the students in the laboratory to illustrate statements in the book. The object of the laboratory work is to facilitate the study of the subject, and to train the students in manipulation and in the observation of chemical phenomena. Notes are required, and students are questioned on the experiments.

**ANALYTICAL CHEMISTRY**,—*Qualitative and Quantitative*.—Analytical Chemistry is used by the advanced student as a means of investigation in scientific or technical researches. The beginner, however, derives from its study advantages of another kind. The knowledge of the properties of chemical compounds, the familiarity with chemical reactions gained by experience in the laboratory, and the development of the reasoning faculties by the application of this knowledge in analytical processes, enable the student to generalize and classify chemical phenomena, and aid him to understand the more abstract theories of chemical philosophy. The method of instruction adopted conforms to this view of the uses of the study. Text-books are used and recitations are required, but the more important part of both study and instruction is performed in the laboratory. In order to solve the problems which are there constantly presented, the student, aided by books and instructors, must learn both principles and their applications. The student, throughout his course in Analytical Chemistry, spends three consecutive hours in laboratory work during five days of the week. The laboratory, however, is kept open seven hours daily for the benefit of graduate students and others who desire to devote more time to this study.

Qualitative Analysis forms a part of the courses in Chemistry, Biology, Agriculture, and Natural History. Quantitative Analysis is one of the more important studies of the Senior year in the Chemical Course. It is also included to some extent in the Agricultural Course.

GENERAL AND THEORETICAL CHEMISTRY—This subject occupies three hours a week during the first term of the Senior year, with about fifteen recitations in the second term in the Course in Chemistry. Remsen's *Inorganic Chemistry* is used as a text-book, and regular recitation work is supplemented, as occasion demands, by oral instruction. The course is designed to present to the student such a general view of Inorganic Chemistry as will enable him to appreciate the investigations which are being carried on at the present time in this department, and will also give him a knowledge of the fundamental principles involved in the chemical processes used in the arts.

PHYSICAL AND ELECTRO-CHEMISTRY—The subject of Physical Chemistry which occupies three hours a week throughout the first half of the second term consists of recitation work supplemented by occasional lectures. The ground covered includes the most important theories and methods of this branch of the science. Ostwald's *Outlines of General Chemistry* is used as the text-book.

The subject of Electro-Chemistry, which is taken up in the second half-term, is treated chiefly from a theoretical standpoint, although considerable attention is given to the technical side of the subject. The time occupied is three hours per week and LeBlanc's *Principles of Electro-Chemistry* is used as the text-book. Opportunities for special laboratory work in this subject are given to students who are sufficiently proficient.

ORGANIC CHEMISTRY—The course in Organic Chemistry is a combination of text-book work with experimental lectures. The class has two exercises weekly from the commencement of Junior year to the end of the first half of the second term of Senior year. Laboratory work in this department of Chemistry is required during the first term of Junior year and the first half of the second term of Senior year.

Opportunity is also afforded for the carrying on of original investigations in this subject, either in connection with theses, or as a part of the regular work in the case of advanced students.

PHYSIOLOGY—Elementary Physiology is taught by recitations and demonstrations, being designed especially for Junior students in the Biological course. In Senior year, particular attention is paid to the physiology of digestion and nutrition in connection with the study of Physiological Chemistry.

In **Experimental Physiology** the various graphic methods are illustrated and applied to the study of the phenomena of the muscular and nervous systems, the circulation, respiration, etc. The work in the laboratory involves the use of the ordinary forms of apparatus for physiological investigation. Stress is laid not alone upon the phenomena of the animal functions, but the topics selected are intended to familiarize the student with the problems and methods of scientific research in this domain. The more advanced students are kept in touch with progress in physiology by a physiological seminary.

**PHYSIOLOGICAL CHEMISTRY and EXPERIMENTAL TOXICOLOGY**—Physiological Chemistry is taught by laboratory exercises, illustrative lectures, and recitations. Each student is provided with a suitable working place in the laboratory, well equipped with all needed apparatus and material. The regular course of work, designed especially for Senior students in the Biological Course, extends through one year and embraces a thorough study of the chemical composition of the various tissues and fluids of the body, together with a study of the chemical and physiological processes of respiration, digestion, secretion, excretion, and nutrition in general.

Beginning with a study of the albuminous bodies and more important carbohydrates, the experimental work extends through the epithelial, connective, contractile, and nervous tissues. Proceeding then to digestion, the various digestive fluids are studied, artificial digestions are made, and the several products of digestive action isolated and studied. The blood, milk and urine are next considered, and students are taught to make both qualitative and quantitative analyses of the latter and to identify abnormal constituents. A portion of one term is also devoted to a study of the chemical reactions of the more important mineral and organic poisons, and their physiological action is determined experimentally. Students are also taught how to separate poisons from organic tissues and fluids, and to identify them, both by chemical and physiological reaction. During the latter half of the second term of Senior year, opportunity is afforded for the carrying on of original investigations on some selected subject in either physiological chemistry or toxicology, in connection with the preparation of honor theses. This course of work is particularly recommended to students intending to enter upon a course of medical studies.

**COMPARATIVE ANATOMY and GENERAL BIOLOGY** are taught by laboratory work, lectures, and frequent examinations. The regular course of instruction, intended especially for students in the Biological Course, extends through the second term of Junior year and the

winter half-term of Senior year, and is designed to give the student the mental and manual training in the methods of investigation by which the facts and principles of these sciences have been established, and at the same time to give him a sufficient knowledge of their elements to enable him to pursue with profit the more special studies which follow.

The course begins with the general anatomy of the vertebrate type, in connection with the study of Elementary Physiology. Dissections of the frog and mammal are made under the immediate supervision of the instructor, and the student is required to make careful sketches and records of his work, which is supplemented by demonstrations and informal lectures. Some of the simpler forms of plants and animals are next studied microscopically, the methods of microscopical investigation taught, and the general facts of cell-structure illustrated. The histology of the higher animals is then studied in more detail, microscopical preparations of the principal tissues and organs are made and examined, the general principles of the morphology of the tissues are illustrated, and the student is specially drilled in distinguishing the different tissues and organs under the microscope.

During the Winter half-term of Senior year, instruction in the morphology and embryology of vertebrates, with special reference to human morphology, is given by a course of lectures and demonstrations.

**GEOLOGY**—The course in Geology includes recitations and oral instruction, extending through the year. During the first term the recitations are attended by the entire Senior class, except those in the courses in Mechanical and Electrical Engineering. This part of the course includes Structural and Dynamical Geology and is illustrated by maps, photographs, diagrams and specimens.

During the first half of the second term the Seniors in the Civil Engineering course extend the work of the first term into stratigraphic geology with special reference to its economic aspects.

The last half-term of the year is devoted to Historical Geology and Paleontology. The sequence and distribution of the sedimentary formations are studied, together with the introduction and succession of the various types of life during past geological ages. This part of the course is pursued by all the Seniors except those in the Engineering courses. Suitable collections of fossils are used to illustrate the subject.

Opportunities are afforded for optional geological excursions during the warmer months. Additional and advanced work in geology, petrology and paleontology is offered in the list of graduate courses.

**MINERALOGY**—The instruction in Mineralogy is carried on by means of practical work in a laboratory especially fitted up for the purpose, and is intended to familiarize the student with the common minerals, attention being devoted especially to those which are of economic, geological, or scientific importance. To understand better the chemistry of the subject, the student is first made familiar with the simple chemical and blowpipe reactions useful in testing minerals, and applies this knowledge later to the determination of unknown species. The students have access to a labeled collection, where they can study the properties of the minerals and make comparisons, and also to extensive unlabeled collections, arranged especially to give them practice and facility in the correct identification of minerals. In addition to the laboratory work, instruction is given in Crystallography, illustrated by a collection of models and natural crystals. The lectures in Descriptive Mineralogy to the more advanced students are illustrated by means of the extensive private collection of Professor Brush. The laboratory is provided with apparatus for the thorough chemical and physical investigation of minerals and with an extensive library to which students have access. The laboratory is open seven hours each day to accommodate any who desire to devote more time to the subject than is laid out in any of the prescribed courses.

**PETROLOGY**—This course begins by familiarizing the student with the use of the polarizing microscope and the identification and study of the important rock-making minerals by optical and chemical methods. The history, origin, and classification of rocks is then taken up, commencing with the igneous types and passing into the crystalline schists, during which metasomatic and dynamic changes, including effects of dynamo-metamorphism, are studied. The work is carried on in the laboratory, requiring three hours of work daily under the instructor, with regular lectures at stated periods. Large collections of rocks and thin sections belonging to the School are available for these purposes.

*Elementary Petrology*—A series of lectures of an elementary nature and without the use of the microscope, on the history, origin, and classification of rocks with especial reference to their geologic relations and economic properties. Illustrated by collections. One hour a week in the second term. This course is offered as an optional to all students in the Senior class and in graduate courses who may desire to take it.

**ZOOLOGY**—The instruction in Zoology includes a course of lectures on Systematic Zoology, Morphology, and Embryology. These lectures are generally given twice a week, and continue during about half the year. The students are required to keep careful notes of the lectures.

Students in the Natural History course are also required to pursue a course of laboratory instruction during the second term of Junior

and all of Senior year. This generally occupies from two to four hours a day on four days of each week. It includes dissections of various classes and orders of animals, with microscopic studies of the finer structures and of minute animal forms, as well as work in Systematic Zoology.

Special courses of recitations or lectures on particular subjects are also given when desirable.

**BOTANY**—In the courses in Biology, Natural History, and Agriculture, a general survey of the vegetable kingdom is made. Beginning with the simplest forms, selected types of the various classes of plants are examined in the laboratory, and their structure, development, and relationships are discussed in informal lectures. In the Select Course, a study is made in the laboratory of typical, green, flowering plants with special reference to the structure and functions of their various organs. Frequent written tests are also required. For those who may desire to prosecute the science professionally, the work is arranged to suit individual requirements, whether it be in the direction of Morphology, Physiology, or Systematic Botany, as applied to either flowering plants or the cryptogamous orders.

**AGRICULTURE**—The special instruction in the science of Agriculture is by recitations and lectures, with such aids and appliances as are suited to the class-room and laboratory. Besides Analytical and Agricultural Chemistry, it includes a discussion of the cultivation of the staple field crops of the country; theories of rural economy and systems of husbandry; the laws of heredity, and principles of stock-breeding; Botany, Mycology and the diseases of plants, and Zoology. Opportunity is afforded also for the study of insects injurious to crops.

**SANITARY SCIENCE**—The lectures on this subject discuss the natural laws which govern the public health; their relation to public sentiment and the form of government of communities; the significance and use of mortuary statistics; the germ-theory of disease and theory of disinfection; epidemics and pestilences, their relations to the prosperity of a community; methods of control; the hygiene of private dwellings and public buildings; the relations of the water-supply to public health; sewerage; the function of boards of health and methods of sanitary administration.

*Hygiene*—A few lectures during the early weeks of the first term on personal hygiene and the care of the health, more especially as relative to student life.

**HEREDITY**—A course of twenty lectures is given during the second term of Senior year on the principles of Heredity, and their applications to stock-breeding, to medicine and hygiene, and to the investigation of certain sociological problems.

**METEOROLOGY**—Two lectures per week during the first half of the second term, embracing the physics of the atmosphere, the science of Meteorology, and the methods of weather-prediction used in the weather signal service.

**PHYSICAL GEOGRAPHY**—This subject occupies four hours per week in the Select Course, during the first term of Junior year, and includes the elements of Dynamical Geology. Warren's *Physical Geography* is used as a text-book, the recitations being supplemented by lectures and illustrated by means of maps, relief maps, models, and photographs.

**MATHEMATICS**—The Mathematical studies of the Freshman year are pursued by all members of the class; those of the Junior year, by students in the Engineering courses, and properly qualified special students who may choose them. In Senior year an optional course is offered, being an Introduction to Higher Geometry, in which the methods and notions of modern Analytical and Differential Geometry are presented. It is the purpose to furnish those intending to follow the engineering profession with valuable additional mathematical knowledge, and to prepare for more advanced courses any students desiring to specialize in mathematics.

**PHYSICS**—The object of the experimental lectures is not only to elucidate the subjects treated in the text-books employed, but also to extend the treatment of such subjects, and to introduce others where thought desirable. A considerable portion of the work of the year is the preparation for recitation on matter thus presented.

The facilities of the Physical Laboratory are extended to such graduate students and Seniors as may desire them.

*Course in Advanced Physics*—A course of three lectures and two recitations per week, throughout the year, is supplemented by laboratory work. A portion of the time is devoted to the theory of observations and the method of least squares. The course is optional to all who have a command of the calculus.

**MILITARY SCIENCE AND TACTICS**—Instruction in this course is obligatory upon the whole Senior class in all departments. The work is carried on chiefly by lectures, upon which satisfactory notes must be submitted. Such topics as the following are discussed: military economy;

the American military problem; organization and reorganization; modern war on field and map; statistics and logistics; the combined use of "the three arms"; strategy and campaigning; orders of battle and grand tactics; special operations of war and field service; minor tactics and the art of war; use of cavalry in campaign and battle; use of artillery; use of infantry; and the Turko-Russian war. The course will terminate with an examination, and a special military certificate is awarded, by the Regular Army officer in charge of the department, to such students as attain a sufficient degree of proficiency, and give evidence of military aptitude. In connection with this course a brief original paper is required.

When a sufficient number of students desire it, practical instruction in drill in the School of the Soldier and School of the Company will be given. The names of the three most distinguished students in this department must be sent to the Adjutant General of the Army for publication in the Army Register, and also to the Adjutant General of the State to which each student belongs.

**CIVIL ENGINEERING**—The object of this course is to give, first of all, a thorough preparation in the principles of the various sciences involved, and afterwards, as extensive practice in the application of these principles as the time at disposal, the ability of the students, and the facilities and plant permit.

Under the first head are included such subjects as Mathematics, Physics, Mechanics, Thermodynamics, Astronomy, Geology, Mineralogy, and Chemistry; and under the second head, Drawing, Surveying, Strength and Properties of Materials, and Design and Construction of various kinds, such as Bridges, Roofs, Foundations, Arches, Retaining Walls, Dams, Water Works, Railroads, Improvement of Rivers and Harbors, Sewerage and Drainage, Motors, Hydraulics and Sanitary Engineering.

The first division includes Civil Engineering as a Science, the other, Civil Engineering as an Art. The ground covered by the first is definite, and the instruction is made as thorough as possible. The ground covered by the second is of almost indefinite extent. Here, by a careful selection of practical examples, such as occur in engineering practice, the application of principles is illustrated, and together with the analytical or algebraic methods, the student is also instructed in practical graphic solutions, wherever such solutions present a special value. Much time is devoted to geodetic operations and to surveying in the field.

The method of teaching is by means of practical exercises, lectures, and recitations, so combined as to develop as far as possible the mental powers of the student. Visits of inspection are made at suitable intervals to private and public works of engineering interest.



The entire course requires five years, three years of undergraduate and two of graduate instruction; and a thesis of merit upon some approved subject, accompanied by designs and estimates, is required upon the completion of the course. Examinations are also held at the end of every term and year.

In what follows, such details are given as may be of interest to those who contemplate taking the course.

*Mathematics*—5 hours weekly, Junior year. See Synopsis of course.

*French and German*—Students in this course take the regular studies of the Junior and Senior classes in both German and French.

*Drawing and Descriptive Geometry*—Drawing is begun at once in the first term of Freshman year, under the charge of the Professor of Drawing in the Art School, and includes practice in free-hand drawing. In the second term, under the Instructor in Instrumental Drawing, the students take isometric drawing with application to drawing from models and structures by measurements, shading, tinting, conventional use of colors, principles of orthographic projections, and practice in making simple working-drawings, 4 hours both terms.

The Drawing of Junior year, 6 hours both terms, includes Descriptive Geometry, the drawing of structures from measurement, and elements of design for simple structures. The instruction is by recitations, lectures, practical exercises, and models, and is under the charge of the Instructor in Instrumental Drawing and the Professor and Instructor in Civil Engineering. Included in the work of this year is also the mapping of surveying field-notes.

In Senior year, the drawing consists of the mapping of the surveys of that year, and the designing of structures and finished drawings, designs, and estimates, under the charge of the Professor and Instructor in Civil Engineering, 6 hours both terms.

*Surveying and Field Engineering*—A three weeks' course of practical instruction in field-work is given in September before the beginning of the fall term, in both the Junior and Senior years. This instruction for the year 1900 begins on Monday, September 3d.

In the Junior year, the three weeks before the beginning of the fall term are spent in uninterrupted work in the field. The course is then continued, four afternoons a week, until about November first, with lectures, recitations, and work in the drawing room.

Land, topographical, stadia and city surveys are made, plotted, checked, traced, and blue-printed. Levels are run and profiles drawn. Special problems likely to occur in practice are taken up in the field and in the class-room. The field-work is arranged so that each student receives a thorough drill in the use of the instruments, including the transit and the level.

In the second term of the Junior year the instruction in field-work occupies four afternoons a week for six weeks or more. The exercises consist in staking out curves, cross-overs, switches, and other details of track work. Practice is also required in the adjustments of the transit and the level. The field-work is preceded by a course of lectures and recitations. In the three weeks before the beginning of the first term of Senior year, a line of railroad is located and set out from a contour map previously obtained, grades and curves established and set out, and computations made. The theory of economic location is taught by lectures and recitations in connection with the field-work. The work is arranged so that each student has sufficient practice in all the various operations. The text-books used are Gillespie and Johnson's works, Henck's *Field Book*, Merriman's *Geodetic Surveying*, and Merriman's *Theory of Least Squares*. The course is under the charge of the Instructor in Civil Engineering, aided by several assistants.

*Mechanics of Engineering*—Senior year, 6 to 8 hours, both terms. The method of instruction is by means of text-books in connection with lectures and solutions of practical problems in illustration of the various topics. The course includes thorough instruction in the strength of materials, the stability of foundations, retaining walls, dams and embankments, and masonry arches, by lectures and graphic methods. Questions of hydraulics, water-supply, the measurement of discharge, and the theory and construction of water-motors receive attention.

*Sanitary Engineering*—Senior year, 3 hours both terms. The method of instruction is by lectures and the solution of problems illustrating the various topics treated. The course for the first term treats of the varying quantity of water required by the different classes of cities and towns, the methods of collecting and distributing the same, methods of judging its quality and its effect on the public health, sources of contamination and methods of filtration. During the second term instruction in the design and construction of sewage systems is given, followed by a course on the various methods of sewage disposal, and the engineering works necessary to carry them into effect.

*Construction and Design*—Senior year, 6 hours both terms. A thorough course is given in the determination of stresses and the detailed design of roofs, bridges, etc., with working-drawings, specifications, and estimates. Visits of inspection are made, and recitations and lectures held in connection with the work in the drawing room.

*Astronomy*—This course occupies 6 hours during the second term of Senior year, and includes practical work and the use of the sextant and transit in determining time, latitude, and azimuth.

*Geology*—This course occupies 3 hours up to the middle of the second term of Senior year.

*Mineralogy*—This course, under the Professor of Mineralogy, occupies six hours of the first term in Senior year.

A course of lectures on the theory of electricity and its applications, by the Professor of Physics, is open to students in this department, and can be taken as a part of the preparation for a graduate course in the higher branches of electrical science.

**MILITARY ENGINEERING**—The object aimed at is to disseminate military information, and to awaken interest in the application of the arts of peace to those of possible war. In connection with the courses of Civil Engineering and Military science, lectures will be given upon such topics as: systems of fortification; sea-coast defenses; hasty intrenchments; passage of rivers and military bridges; military reconnaissance, and instruments; battlefield telemetry and methods; sea-coast range-finding, and ship-tracking devices; gunpowder and ballistic machines; high explosives and demolitions; gun metals, modern ordnance, and gunnery; armor plates, turrets, projectiles and fuses, torpedoes, submarine mines, military electric installation, and countermining.

**MECHANICAL ENGINEERING**—The objects aimed at in the plan of instruction in this course are, to give to the student a thorough training in elementary and advanced Mathematics and Physics, and their application to the science of construction; to make him familiar with the general principles of Engineering and with the practical details of mechanical construction through which these principles are made useful; and to enable him ultimately, in beginning the work of his profession, to bring to bear upon it a well-balanced store of theoretical and practical knowledge, and a mind trained in correct habits of thought and work.

The complete course covers five years, three of which are spent in undergraduate study, and two in a graduate course, a portion of which may be given to actual practical work. The subjects and methods of instruction in the undergraduate course are as follows:—

*Mathematics*—See Synopsis, page 172.

*French and German*—Students take the regular studies of the Junior and Senior classes in both French and German.

*Shop-Visiting* divides the time equally with Drawing in the second term of the Junior year. The student, accompanied by the instructor, is employed in studying machinery in use and in process of construction in different machine-shops in the city. He is required to make satisfactory, carefully dimensioned sketches, from measurements taken by himself, of the complete machines and their parts, and to describe the tools and mechanical operations used in producing the simpler pieces.

*Drawing*—Descriptive Geometry is taught in the drawing room by lectures and recitations, and by exercises at the drawing board, where the problems are solved graphically by the student. Instruction in

drawing Machine Elements is given in the Junior year. Models and cartoons showing examples of approved practice are used by the instructor, who also gives personal attention to each student's work at the board as it progresses.

*Principles of Mechanism*—This is a course in theoretical and applied Kinematics. Instruction is by text-books and lectures, illustrated by diagrams and models, an extensive collection of which belongs to the School and is accessible to the student.

*Steam Engine*—Recitations and lectures in this subject relate to the structural details of engines and to the mechanical principles involved in their working. Particular attention is directed to various kinds of valve-gear, the governor, the fly-wheel, balancing, and the effect of the weight of the reciprocating parts. The study of steam boilers follows that of engines.

*Indicator Practice*—In the Senior year, the student is afforded opportunities to apply the indicator to various engines in operation, and has practice in reading indicator cards and measuring them by the planimeter. He is taught to detect such defects in the engine as are shown by the cards.

*Applied Mechanics and Hydraulics*—In these courses lectures, recitations, and exercises in the solution of practical problems, relate to the topics specified in the scheme on page 162.

*Thermodynamics*—Recitations and lectures on the mechanical theory of heat and its application to hot-air engines, gas engines, and the steam engine.

*Machine Design*—The course in this subject consists chiefly in practical exercises at the drawing board, and partly in lectures on the functions of machines and the mechanical principles which are applied in determining the proportions of machinery. The student, under the guidance of experienced instructors, is employed in making complete working-drawings of machines, many examples of which are in the drawing rooms and the basements of the school. He does not copy the examples, but is required to change the dimensions and in many cases to alter the design, and is ultimately taught to make partly new designs of important machinery, such as cranes, yacht engines, machine tools, boilers, etc. The discipline the student receives is such as he would obtain in the drawing office of an engineering establishment, while he is also carefully instructed in the theory of the subject he deals with, and in the practical bearing of all his work.

In the Senior year, several excursions may be made by the class, accompanied by one or more instructors, to neighboring manufacturing and engineering centers where large manufactories, pumping works, ocean steamers, etc., can be visited. In such excursions full notes must be taken, and a satisfactory written report upon the machinery examined be submitted.

**ELECTRICAL ENGINEERING**—This is necessarily a course in mechanical engineering, with a substitution of the essentials of electrical science in place of a portion of the work in that department. Thus what has been written concerning the studies of that course is equally applicable to the same studies in the electrical course. The work in electricity proper consists of three lectures each week and two recitations on the subjects then treated. With these the student is required to spend six hours each week in the physical laboratory. During the early portion of the laboratory course especial attention is given to the instruments and methods of physical investigation, and as soon as a sufficient knowledge of these is acquired the student applies it to the study of the electric and magnetic properties of matter and their application to the arts. A well-equipped laboratory, and a dynamo room with various examples of standard instruments and a large secondary battery, yield excellent facilities for this kind of instruction. Considerable additions to the apparatus are made every year.

**ASTRONOMY**—Students in the Select Course receive instruction in Astronomy four hours per week during the Winter half-term of Junior year.

Students of Civil Engineering during the second term of their Senior year have six recitations per week, and also practical experience in the determination of time, azimuth, latitude, longitude, etc.

**ENGLISH**—The courses are designed to give the student acquaintance with the great representative writers of the various epochs. The work of Freshman year, required of all, is general in scope, consisting of the history of the English language and a study of Shakespeare, Wordsworth, Tennyson, and Browning.

English Literature is one of the prescribed studies in the Select Course. During the first term of Junior year, extracts from Early English authors are read and Early English Grammar is studied, so as to familiarize the student with the inflections then in use and the distinctions existing between the leading dialects. It is the aim of the term's work to give such knowledge of forms, and to some extent of words, that the student will be able to read at sight any Early English author whose writings do not involve special difficulties of language or vocabulary. For the rest of the course till the end of Senior year, the following authors are read: Chaucer, Bacon, Shakespeare, Milton, Dryden, Pope, Gray, Goldsmith, and later writers. Those mentioned in the list are always studied, but other authors not named are also taken up, the course varying somewhat in different years. In all cases, complete works of a writer are studied, not extracts; as, for instance, several of Chaucer's *Tales*, and several of the plays of Shake-

speare. The authors are taken up in chronological order, and the literary history of the time is likewise carried on in connection with the great representative writers of each period.

**ENGLISH COMPOSITION**—Throughout Junior year English composition is required of all the class. During the fall term the weekly themes consist chiefly of compositions on current topics, business letters and circulars, and newspaper editorials. Lectures are given on the fundamental principles of writing. Selections from Macaulay are used for analysis.

During the last half of the year the weekly themes include descriptions and simple narratives, critical reviews of books and plays, and further practice in exposition and argumentation. Lectures discuss prominent authors in different fields of prose writing, such as, Addison in the Essay, Sheridan in the Prose Drama, Thackeray in the Novel, and Kipling in the Short Story. Themes are written in class-room on current topics and on assigned reading in representative prose authors. Discussion of the details of composition supplements the previous lectures on the main principles of good writing. So far as possible personal criticism of the weekly themes is given. While the primary aim of the course is to impart the ability to write simple, forceful English, the attempt is also made to increase the student's knowledge of the best English Prose.

**GERMAN AND FRENCH**—Each of these languages is studied for two years by every member of the school. That language which the student offers at his examination for entrance is studied until the end of Junior year. The other language is begun at the opening of Junior year and studied until the end of the course. Thus each student has either German or French during Freshman and Senior years, and both languages during Junior year.

**GERMAN**—This department has a twofold purpose, to prepare the student to use the language easily and intelligently for those purposes which his course may require, and to supplement the practical training of his special studies by securing some of the important disciplinary results of linguistic and literary study. A systematic and thorough study of the structure of the language is made the point of departure and essential basis for all work. As early as possible practical work with the language itself is begun. This consists chiefly in the study of assigned texts, in written and oral translation into German, in translation at sight and in constant reading aloud, with the ultimate purpose of making the rendering into English unnecessary. In the work

of translation careful attention is given to exactness and form of expression, and the student is made acquainted with the resources of his own language. The subjects of derivation, composition, and the relation of German and English are systematically studied with reference both to their practical aid in the acquisition of a vocabulary and to their scientific value in the establishment of correct ideas of the nature and growth of language. While it is not a primary aim, the course seeks to lay the foundation for the colloquial use of the language by imparting a familiar knowledge of grammatical forms, by the reading aloud of German texts, both by instructor and student, and by oral exercises based on the reading of the day.

The cycle of texts used differs somewhat with each class. The plan is to familiarize the student with some of the best specimens of modern prose and poetry, aiming in this selection to introduce him to a sufficient number and variety of works to overcome the usual difficulties of style and vocabulary, and give him some insight into the most important phases of German life and literature. With the more advanced divisions, towards the end of the course, some masterpiece of German literature is critically studied, and incidentally some knowledge is gained of the history and present state of German literature.

Opportunity for advanced or special work is offered as occasion requires.

**FRENCH**—The aim of the instruction in French is chiefly to give a ready and accurate reading knowledge of the language, such as will be of use to the student in scientific or other investigation, both while in the University and in after life. At the same time, most careful attention will be devoted to imparting a correct pronunciation and to colloquial forms, so that, in case of foreign travel or subsequent pursuit of French studies, no time need be lost in the repetition of elementary work. The value of the course as a disciplinary drill and as a means to general culture is, moreover, always kept clearly in view.

With those beginning the subject, grammar is reduced to its simplest terms; only the grammatical forms (even these treated mainly as vocabulary) and the few main principles are insisted upon, without which no accurate translation is possible. Some continuous text, of interesting character, is taken up early in the first term. Then follows translation of representative authors, rather of the modern than older periods, alternating with prose composition, further acquirements in grammar, and such attention to the Latin origin of the language as may help to fix vocabulary in mind. A brief review of grammar is also a part of the work of the advanced classes at the opening of each year.

At the discretion of the instructor, the students sufficiently advanced take up a manual of French literature, in the French language, and,

while a dry list of names and dates is avoided, they are put in possession of such a connected account of the development of French life and letters and of the salient literary periods as will prove a valuable guide in future reading.

Such students as show sufficient proficiency in the language, and seem likely to profit by special reading of a technical nature, will be given an opportunity to become familiar with the style of modern scientific French and with the general principles of its nomenclature.

**SPANISH**—The aim of the instruction in the Spanish department is to impart a correct pronunciation ; facility in reading, through the choice of texts of varied range ; to give considerable practice in composition, including letter-writing ; and to make such beginning in conversation as may be a useful basis when further need and opportunity arise.

Grammar is reduced to the broad essentials, that the greater amount of time may be secured for the other work. In this view some such brief grammar as that of Manning is used, with references to the fuller work of Ramsay. The reading-matter comprises animated plays, Spanish and Mexican newspapers, the magazine *España Moderna*, such fiction as Pérez Galdós' *Episódios Nacionales*, Gorge Isaac's "Maria," the stories and sketches of Alarcón, Trueba, Rueda, etc. The philological cast of the language, as compared with the remainder of the group descended from the Latin, is explained. A conspectus is given of the representative periods of the earlier literature, based upon Ticknor ; with a fuller account, accompanied by readings from their works, of Pereda, Valdés, Galdós, and Valera.

Spanish is offered as an optional study during Senior year.

**HISTORY, I. Junior Year**—The aim of the course is to present to the students an orderly and connected outline of the general history of Europe. How and Leigh's *History of Rome*, Thatcher and Schwill's *Europe in the Middle Age*, Schwill's *History of Modern Europe*, and Dalglish's *Periods of English History*, are used as text-books. Particular attention is given to the growth and development of institutions and ideas and to the interpretation rather than to the mere memorizing of events. To this end the students are directed to the best literature on the different questions brought up for consideration, and, as importance warrants, documents and contemporary sources are discussed in the class-room.

The recitations are partly oral and partly written. Frequent lectures are given on questions of particular interest and importance. Constant use is made of historical maps and charts. To enable the students to preserve the proper perspective, frequent reviews are required and the results of these are ascertained by written tests.



II. *Senior Year*—A course is given in the Constitutional History of the United States. The *Epochs of American History* series (published by Longmans, Green & Co.) is used as the basis of study by the class. The method of work is similar to that employed in the Junior year, except that greater importance is placed on the careful interpretation of documents and other easily available contemporary sources, such as are contained, for example, in MacDonald's *Select Documents of United States History*, *The American History Leaflets*, etc.

In addition to the University Library, there is a small historical library in the recitation room from which the students are allowed to draw books.

**POLITICAL SCIENCE**—The course in history serves as a preparation for the course in Political Science. The subject is treated historically and comparatively. Professor Woodrow Wilson's *The State*, which is used as a text-book, is supplemented by lectures and collateral reading. The object constantly kept in view is to lead the student, through the study of other forms of government, to a broad and intelligent knowledge of the Constitution of the United States.

**POLITICAL ECONOMY**—In the beginning of the course, an effort is made to familiarize the students with the fundamental principles of Economics, and more particularly to train them in economic reasoning. Selected topics, such as money, banking, taxation, and industrial history, are then treated with more detail, and an opportunity is given to the members of the class to make a special study of subjects in which they may be interested. A small library, containing a number of copies of each of the principal authorities, has been provided, in order that the students may be able to familiarize themselves somewhat with the literature of the subject, without expense to themselves. The instruction is given partly by means of text-books and partly by lectures.

**THE TERMS AND VACATIONS** correspond with those of the College. (See Calendar, p. 8.)

**EXPENSES**—**THE TREASURER'S BILLS** are made out and delivered to the students three times a year, viz: at the beginning of each term or half-term, at which time they are payable. Drafts on Boston, New York, and Philadelphia are received at par. The annual charge for tuition for undergraduate students is \$150. An additional charge of \$5 for each term or half-term is made for incidentals, including the use of libraries, public rooms, gymnasium,

and reading-room. The student in the Chemical and Biological Courses has an additional charge of \$15 per term, or half-term, for chemicals and the use of apparatus in the chemical laboratories. He also supplies himself at his own expense with flasks, crucibles, etc., the cost of which should not exceed \$10 a term.

For graduate students the charge for tuition is one hundred dollars per year.

The fee for graduation as Bachelor of Philosophy, including the fee for Triennial Catalogues, Commencement Dinners, etc., is \$10, unless the person taking the degree is also an academical graduate, when it is \$5.

#### BUILDINGS AND APPARATUS

The five buildings in which the work of instruction in the Scientific School is mainly carried on are called Sheffield Hall, North Sheffield Hall, Sheffield Biological Laboratory, Winchester Hall, and Sheffield Chemical Laboratory. Instruction in Mineralogy, Geology, Petrology, and Zoology is given in the Peabody Museum, and in Free Hand Drawing in the Art School. These buildings contain a large number of recitation and lecture rooms, a hall for public assemblies and lectures, chemical, physical, biological, and metallurgical laboratories, besides studies for some of the professors, where their private technical libraries are kept.

The following is a summary statement of the collections belonging to the School :

1. Laboratories and Apparatus in the several branches of Chemistry, Metallurgy, Physics, Zoology, Mineralogy, Petrology, Comparative Anatomy, General Biology, Physiology, and Bacteriology.
2. Metallurgical Museum of Ores, Furnace Products, etc.
3. Agricultural Museum of Soils, Fertilizers, useful and injurious Insects, etc.
4. Collections in Zoology, Mineralogy, Petrology, and Comparative Anatomy.
5. Astronomical Observatory, with an equatorial telescope by Clark & Sons, of Cambridge, a meridian circle, etc.

6. A collection of Mechanical Apparatus and Machinery, including the "Collier Cabinet."
7. Models in Architecture, Geometrical Drawing, Civil Engineering, Topographical Engineering, and Mechanics; diagrams adapted to public lectures; instruments for field-practice.
8. Maps and Charts, topographical, geological, hydrographical, etc.
9. The herbarium of Professor Brewer is deposited in Sheffield Hall, while the herbarium and botanical library of the late Professor Eaton, generously given to the University by his family, are in the botanical laboratory, the east wing of Sheffield Hall, in a fire-proof room especially constructed for their safe-keeping.

The building of the Sheffield Young Men's Christian Association, No. 138 College Street, contains pleasant and well furnished reading-rooms, within a few steps of Sheffield Hall. This building, which is the gift of Mrs. W. F. Cochran, of Yonkers, N. Y., is for the present, at the request of the graduate advisory committee, held in trust for the association by the donor.

Students are also entitled to the use of the University and Society libraries, the College Reading-Room, the School of the Fine Arts, the Yale Dining Hall, and the Gymnasium.

#### LIBRARIES AND READING-ROOMS

The Library of the University, containing about 253,000 volumes besides some 100,000 pamphlets, is open every week-day to students for consultation and for the drawing of books and also in the evening for consultation; in a separate part of the building is the Linonian and Brothers Library, a collection of about 22,000 volumes in general literature, specially selected for the use of undergraduate students.

The College Reading-Room, containing the principal newspapers and periodicals, American and foreign, is open to the students every day and evening. There is also a reading-room and a select library for reference only in Dwight Hall.

The Special Technical Library of the Scientific School consists of about five thousand volumes. Included in this

is the "Hillhouse Mathematical Library" of twenty-four hundred volumes, collected during a long series of years by Dr. William Hillhouse, and in 1870 purchased and presented to the institution by Mr. Sheffield. A catalogue of this collection forms a supplement to the Annual Report of the Governing Board of 1870. All the prominent scientific journals of this country and of Europe, together with the proceedings of foreign academies and scientific societies, can be found, either in this library or in the University Library to which students have access.

There is also a Special Chemical Library in the Sheffield chemical laboratory, in which the principal chemical journals and periodicals, both of this country and of Europe, may be found; and a small library of History and Political Science is located in one of the class-rooms for the convenience of students pursuing the subjects. Private technical libraries on the subjects of Geology and Mineralogy are in the Peabody Museum, and under suitable restrictions may be used by students.

#### GYMNASIUM

THE UNIVERSITY GYMNASIUM is designed to provide all the students with opportunities for exercise, under the advice of a director, who is a regularly educated physician, and any student may enter the class of general gymnastics, under the director's immediate care. The building contains: a complete Turkish bath, marble swimming pool, marble tubs, bowling alleys, rowing-tanks, free showers, separate rooms for boxing, fencing, wrestling, and manly sports, a locker room, and the main exercise-hall, which offers a clear floor-space of 10,000 square feet, and is from 22 to 56 feet in height. A thorough physical examination and measurement of each student is made yearly by the director, and a record of these results is kept as a basis of advice as to exercise and regimen; an examination of this record shows that the standard of health of the average student improves during his course.

### DINING HALL

THE YALE DINING HALL, adjacent to the College square, is under the direct control of the University and furnishes board at cost (approximating \$4.00 per week). The hall contains seats for 450, and is open to students of the Academical and Scientific Departments.

### CHURCH SITTINGS

Free sittings for students in this department of Yale University are provided as follows: in the Center Church and United Church (Congregational); in Trinity Church (Episcopal); and in the First Methodist Church.

Those who prefer to pay for a sitting for one year, more or less, in the churches above mentioned, or in any other church of any denomination, will be aided on application to the Director of the School.

Sittings in the gallery of the College Chapel are free as heretofore to the students of this Department.

### DEGREES

Students of this Department, on the recommendation of the Governing Board, are admitted by the Corporation of Yale University to the following degrees:

1. BACHELOR OF PHILOSOPHY: This degree is conferred on those who complete any of the three-year courses of study, passing all the examinations in a satisfactory manner.

2. MASTER OF SCIENCE: The requirements for this degree are stated on page 146.

3. CIVIL ENGINEER AND MECHANICAL ENGINEER: The requirements for these degrees are stated on pages 148-50.

4. DOCTOR OF PHILOSOPHY: The requirements for this degree are stated on page 147.

The degrees are publicly conferred by the President and Fellows of the University on Commencement Day.

## HONORS

**TWO-YEAR GENERAL HONORS** are awarded at the end of Senior year to those members of the class who have shown a high degree of proficiency in all the studies of their course during Junior and Senior years. A candidate for such honors must present on or before June 10th of Senior year, a meritorious thesis on some subject approved by his Division Officer.

**ONE-YEAR GENERAL HONORS** are awarded at the end of Junior year to such students as have maintained a high standing for the year in all the studies of their course.

**SPECIAL HONORS** are awarded at the end of Junior and Senior years, to students not recipients of general honors who have shown special excellence in any particular study or studies.

## SCHOLARSHIPS AND PRIZES

**THE HOLMES SCHOLARSHIP**, founded by Samuel Holmes, Esq., amounts to fifty dollars per year. The recipient must be a citizen of Middlebury, Prospect, Waterbury, or Wolcott, Connecticut; the appointments are made by the Board of Agents of the Bronson Library in Waterbury.

**THE ROGERS SCHOLARSHIP**, founded in 1899, by a gift of five thousand dollars from Mr. William A. Rogers (class of 1874) of Buffalo, New York, is awarded, whenever there is a vacancy, at the end of Junior year, to a student of the Course in Biology or Chemistry who has attained high rank in the studies of the course. The annual income from this fund will be paid to the incumbent during his Senior year, and if the holder of the scholarship desires, he may retain the scholarship for one year of post-graduate study, providing he maintains, during Senior year, high rank in his studies.

**THE DANIEL C. EATON GRADUATE SCHOLARSHIP IN BOTANY.** Mrs. Eaton has given a fund of two thousand dollars to found a Graduate Scholarship in Botany in commemoration of her husband, the late Professor Daniel

C. Eaton. This scholarship, in the graduate department, will be open for competition to members of the Senior Classes in the Academic and Scientific departments, on conditions to be prescribed by the Governing Board of the Sheffield Scientific School.

**SHEFFIELD GRADUATE SCHOLARSHIPS.**—Six scholarships of \$100 each (covering the charges for tuition) are awarded, on application, to those members of the graduating class of the Sheffield Scientific School who have attained high proficiency in the special studies of their respective courses, and who desire to spend one or more years in graduate study. Each scholarship will be available for one year only. Application for these scholarships must be made in writing on or before June 1st to the head of the department to which the student belongs, with a statement as to the character of the graduate study to be pursued.

**THE BELKNAP PRIZE**, founded by William R. Belknap, Esq., of the class of 1869, is awarded for excellence in all the Natural History studies of Senior year.

Prizes are also offered, annually, to members of the Senior Class for excellence in Civil Engineering and in Mechanical Engineering; to members of the Junior and Senior Class in the Select Course, for excellence in History, as determined by special examination on assigned topics; to members of the Freshman Class for excellence in all the studies of the year, in Physics, in German, in French, in English, in Chemistry, in Mathematics, and in Drawing.

The names of the three students most distinguished in the Department of Military Science are annually published in the United States Army Register.

# GRADUATE SCHOOL

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## FACULTY

ARTHUR T. HADLEY, LL.D., PRESIDENT  
EDWARD J. PHELPS, LL.D., *Professor of Law*  
WILLIAM H. BREWER, PH.D., *Professor of Agriculture*  
JOHN E. CLARK, M.A., *Professor of Mathematics*  
ARTHUR M. WHEELER, LL.D., *Professor of History*  
JOHN F. WEIR, N.A., M.A., *Professor of Painting and Design*  
J. WILLARD GIBBS, PH.D., LL.D., *Professor of Mathematical Physics*  
CHARLES B. RICHARDS, M.A., *Professor of Mechanical Engineering*  
ARTHUR W. WRIGHT, PH.D., *Professor of Experimental Physics*  
THOMAS R. LOUNSBURY, LL.D., L.H.D., *Professor of English*  
EUGENE L. RICHARDS, M.A., *Professor of Mathematics*  
JOHN H. NIEMEYER, M.A., *Professor of Drawing*  
TRACY PECK, M.A., *Professor of Latin*  
ADDISON E. VERRILL, M.A., *Professor of Zoology*  
WILLIAM G. SUMNER, LL.D., *Professor of Political and Social Science*  
REV. GEORGE T. LADD, D.D., LL.D., *Professor of Philosophy*  
CHARLES H. SMITH, LL.D., *Professor of American History*  
SIDNEY I. SMITH, M.A., *Professor of Comparative Anatomy*  
WILLIAM G. MIXTER, M.A., *Professor of Chemistry*  
HENRY P. WRIGHT, PH.D., LL.D., *Professor of Latin*  
HENRY S. WILLIAMS, PH.D., *Professor of Geology*  
HENRY A. BEERS, M.A., *Professor of English Literature*  
A. JAY DUBOIS, C.E., PH.D., *Professor of Civil Engineering*  
BERNADOTTE PERRIN, PH.D., LL.D., *Professor of Greek*  
EDWARD S. DANA, PH.D., *Professor of Physics*  
THOMAS D. SEYMOUR, LL.D., *Professor of Greek*  
CHARLES S. HASTINGS, PH.D., *Professor of Physics*  
FRANK A. GOOCH, PH.D., *Professor of Chemistry*  
ALBERT S. COOK, PH.D., L.H.D., *Professor of English*  
WILLIAM BEEBE, M.A., *Professor of Mathematics and Instructor in  
Astronomy*



- ANDREW W. PHILLIPS, PH.D., *Dean, and Professor of Mathematics*  
GEORGE B. ADAMS, PH.D., *Professor of History*  
SAMUEL S. SANFORD, M.A., *Professor of Applied Music*  
HENRY W. FARNAM, R.P.D., *Professor of Political Economy*  
EDWARD P. MORRIS, M.A., *Professor of Latin*  
HENRY R. LANG, PH.D., *Professor of Romance Languages*  
RUSSELL H. CHITTENDEN, PH.D., *Professor of Physiological Chemistry*  
SAMUEL L. PENFIELD, M.A., *Professor of Mineralogy*  
HORACE L. WELLS, M.A., *Professor of Analytical Chemistry and Metallurgy*  
THOMAS D. GOODELL, PH.D., *Professor of Greek*  
CHARLES E. BEECHER, PH.D., *Professor of Historical Geology*  
EDWARD WASHBURN HOPKINS, PH.D., *Professor of Sanskrit and Comparative Philology*  
ARTHUR H. PALMER, M.A., *Professor of German*  
HORATIO M. REYNOLDS, M.A., *Professor of Greek*  
GEORGE M. DUNCAN, M.A., *Professor of Philosophy*  
E. HERSHEY SNEATH, PH.D., *Professor of Philosophy*  
FRANK K. SANDERS, PH.D., *Professor of Biblical Literature*  
LOUIS V. PIRSSON, PH.B., *Professor of Inorganic Geology*  
EDWARD G. BOURNE, PH.D., *Professor of History*  
GUSTAV GRUENER, PH.D., *Professor of German*  
HORATIO W. PARKER, M.A., *Professor of Music*  
JOHN C. SCHWAB, PH.D., *Professor of Political Science*  
CHARLTON M. LEWIS, PH.D., *Professor of English*  
ROBERT N. CORWIN, PH.D., *Professor of German*  
IRVING FISHER, PH.D., *Professor of Political Economy*  
JAMES PIERPONT, PH.D., *Professor of Mathematics*

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OTHER INSTRUCTORS

- REV. GEORGE P. FISHER, D.D., LL.D., *Professor of Ecclesiastical History*  
REV. CORNELIUS L. KITCHEL, M.A., *Instructor in Greek*  
WILLIAM HENRY BISHOP, B.A., *Instructor in French and Spanish*  
REV. EDWARD L. CURTIS, PH.D., D.D., *Professor of Hebrew*  
PROF. JOHN B. CLARK, PH.D., LL.D., *Lecturer on Economic Theory*  
ROBERT L. SANDERSON, *Instructor in French*

- GEORGE L. FOX, M.A., *Lecturer on Municipal Administration*  
REV. WILLIAM F. BLACKMAN, PH.D., *Professor of Christian Ethics*  
HON. EDWIN B. GAGER, B.A., *Instructor in Law*  
SAMUEL E. BARNEY, C.E., *Assistant Professor of Civil Engineering*  
FREDERICK WELLS WILLIAMS, B.A., *Instructor in Oriental History*  
WILLIAM J. COMSTOCK, PH.B., *Instructor in Organic Chemistry*  
JAY W. SEAVER, M.A., M.D., *Associate Director of the Gymnasium*  
REV. FRANK C. PORTER, PH.D., D.D., *Professor of Biblical Theology*  
REV. BENJAMIN W. BACON, LITT.D., D.D., *Professor of New Testament Greek*  
ROBERT L. TAYLOR, B.A., *Instructor in French*  
WILLIAM G. ANDERSON, M.D., *Associate Director of the Gymnasium*  
JAMES J. ROBINSON, PH.D., *Instructor in Latin*  
EDWARD W. SCRIPTURE, PH.D., *Instructor in Experimental Psychology*  
WILBUR L. CROSS, PH.D., *Assistant Professor of English*  
THOMAS C. STEARNS, PH.D., *Instructor in Ancient Philosophy*  
WILLIAM LYON PHELPS, PH.D., *Assistant Professor of English Literature*  
HANNS OERTEL, PH.D., *Assistant Professor of Comparative Philology*  
PERCY F. SMITH, PH.D., *Assistant Professor of Mathematics*  
WARREN J. MOULTON, PH.D., *Instructor in Biblical Literature*  
JACOB WESTLUND, PH.D., *Instructor in Mathematics*  
HENRY DAVIES, PH.D., *Lecturer on the History of Philosophy*  
WALTER I. LOWE, PH.D., *Instructor in History*  
ALEXANDER W. EVANS, M.D., PH.D., *Instructor in Botany*  
HENRY L. WHEELER, PH.D., *Assistant Professor of Organic Chemistry*  
OLIVER H. RICHARDSON, PH.D., *Assistant Professor of History*  
PHILIP E. BROWNING, PH.D., *Assistant Professor of Chemistry*  
JAMES LOCKE, PH.D., *Instructor in Chemistry*  
WALTER M. PATTON, PH.D., *Instructor in Semitic Languages*  
LAFAYETTE B. MENDEL, PH.D., *Assistant Professor of Physiological Chemistry*  
CECIL K. BANCROFT, B.A., *Tutor in Latin*  
CHARLES S. INGHAM, PH.D., *Tutor in Latin*  
JAMES W. D. INGERSOLL, PH.D., *Assistant Professor of Latin*  
GEORGE P. STARKWEATHER, PH.D., *Instructor in Applied Mechanics*  
MILTON B. PORTER, PH.D., *Instructor in Mathematics.*

- WESLEY R. COE, PH.D., *Instructor in Biology*  
BERTRAM B. BOLTWOOD, PH.D., *Instructor in Analytical Chemistry*  
WENDELL M. STRONG, PH.D., *Tutor in Mathematics*  
ARTHUR L. WHEELER, PH.D., *Tutor in Latin*  
T. WOOLSEY HEERMANCE, PH.D., *Instructor in Greek Archaeology*  
RICHARD T. HOLBROOK, B.A., *Tutor in Romance Languages*  
HARRY B. JEPSON, B.A., MUS.B., *Assistant Professor of the Theory of Music*  
ISIDOR TROOSTWYK, *Instructor in Violin Playing*  
GEORGE GRANT MACCURDY, M.A., *Instructor in Prehistoric Anthropology*  
EDWARD B. REED, PH.D., *Tutor in English*  
WILLIAM B. BAILEY, PH.D., *Instructor in Statistics*  
GERVASE GREEN, PH.D., *Instructor in Philosophy and Pedagogy*  
ISAAC K. PHELPS, PH.D., *Instructor in Chemistry*  
MEYER WOLODARSKY, PH.D., *Instructor in Rabbinical Literature and Russian*  
HERBERT E. HAWKES, B.A., *Instructor in Mathematics*  
HERBERT E. GREGORY, PH.D., *Instructor in Physical Geography*  
EDWARD D. COLLINS, PH.D., *Instructor in History*  
JOHN M. GAINES, B.A., *Assistant in Political Economy*  
SHERWOOD O. DICKERMAN, B.A., *Instructor in Greek*  
ALBERT G. KELLER, PH.D., *Assistant in Social Science*

## ADMINISTRATIVE COMMITTEE,

## WITH CONSULTATION HOURS

ARTHUR T. HADLEY, LL.D., PRESIDENT,

Room 6, Treasury Building, daily, 8.30 A. M. to 1 P. M.

ANDREW W. PHILLIPS, PH.D., DEAN, and *Professor of Mathematics*,

90 High street, daily, except Saturday, 2.30 to 4 P. M.

ARTHUR M. WHEELER, LL.D., *Professor of History*,

C, Osborn Hall, Monday and Friday, 10.30 A. M. to 12.30 P. M.

CHARLES B. RICHARDS, M.A., *Professor of Mechanical Engineering*,

112 Winchester Hall, 9 A. M. to 12 M., Wednesday and Saturday.

REV. GEORGE T. LADD, D.D., LL.D., *Professor of Philosophy*,

275 Lawrance Hall, absent 1899-1900.

THOMAS D. SEYMOUR, LL.D., *Professor of Greek*,

22 Phelps Hall, daily, 11 A. M. to 12 M.

ALBERT S. COOK, PH.D., L.H.D., *Professor of English*,

219 Bishop street, daily, 2 P. M.

HENRY W. FARNAM, R.P.D., *Professor of Political Economy*,

43 Hillhouse av., absent 1899-1900.

RUSSELL H. CHITTENDEN, PH.D., *Professor of Physiological Chemis-*

*try* and *Director of the Sheffield Scientific School*, 3 Sheffield Hall,

Monday, Tuesday, Wednesday, and Thursday, 10 A. M. to 12 M.

FRANK K. SANDERS, PH.D., *Professor of Biblical Literature*,

77 Mansfield st., daily, 2 to 3 P. M.

## GENERAL STATEMENT

### ORGANIZATION

The Graduate School of Yale University forms a section of the Department of Philosophy and the Arts, which was first formally organized in 1847 for scientific and graduate instruction, but now includes Yale College, the Sheffield Scientific School, the School of the Fine Arts, and the Department of Music.

The degrees of Doctor of Philosophy and Civil Engineer were first offered in 1860, the degree of Dynamical or Mechanical Engineer in 1873, that of Master of Arts (previously given without evidence of study) in 1874, and that of Master of Science in 1897.

The professors in the several sections of the Department of Philosophy and the Arts together constitute the Faculty of the Graduate School. The general oversight of graduate instruction and graduate students is entrusted to the Dean and the Administrative Committee, who may be called upon for information and advice. Students are expected to report to the Dean soon after reaching New Haven.

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### ADMISSION AND REGISTRATION

Graduates of this and other Colleges and Universities, and (in exceptional cases, by special permission) other persons of liberal education, who are at least eighteen years old, are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

All graduate students who are not regularly enrolled in any other department of the University are required to register their names at the office of the Dean at the beginning of each year of study.

The degree of Doctor of Philosophy, with the courses of the Graduate School leading thereto, is open to candidates without distinction of sex.

## INSTRUCTION

Courses of study are offered in the following departments :

PSYCHOLOGY, ETHICS, AND PHILOSOPHY.  
ECONOMICS, SOCIAL SCIENCE, HISTORY, AND LAW.  
SEMITIC LANGUAGES AND BIBLICAL LITERATURE.  
CLASSICAL AND INDO-IRANIAN PHILOLOGY.  
MODERN LANGUAGES AND LITERATURES.  
NATURAL AND PHYSICAL SCIENCE.  
PURE AND APPLIED MATHEMATICS.  
THE FINE ARTS.  
MUSIC.  
PHYSICAL CULTURE.

Instruction is given partly by lectures, partly in recitations and by oral and written discussions, partly by directing courses of reading, and partly by the direction of work in the laboratories and with instruments.

The attention of teachers who desire to fit themselves more thoroughly for a higher grade of professional work is called to the advantages offered by this department for pedagogical instruction and discipline. In addition to the special and advanced study of the subjects in which the graduate student desires instruction, and the pursuit of courses in psychology, ethics, philosophy, and of other courses cognate with pedagogy, opportunity is afforded to observe the actual practice in the class-room, as well as the organization of the different departments of the University and their methods of work.

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## CLUBS

In various voluntary associations, instructors and students meet together periodically for the reading of papers, oral discussions, etc.; such are :

THE CLASSICAL CLUB.  
THE MATHEMATICAL CLUB.  
THE POLITICAL SCIENCE CLUB.

THE PHILOSOPHICAL CLUB.  
THE SEMITIC AND BIBLICAL CLUB.  
THE MODERN LANGUAGE CLUB.  
THE ENGLISH CLUB.  
THE PHYSICS JOURNAL CLUB.  
THE ENGINEERS' CLUB.  
THE CHEMICAL CLUB.  
THE HISTORICAL CLUB.  
THE PHYSICAL CLUB.

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#### FEES AND EXPENSES

The fee for instruction is generally one hundred dollars per year; but it may be more, or less, according to the courses pursued and the amount of instruction received.

A special fee of five dollars is charged to those who use the Gymnasium; and one of two dollars to those admitted to the use of the College Reading-Room.

Board is obtained at prices varying from three and a half to eight dollars a week. The average price is under five dollars.

A list of suitable rooms is kept at the Dean's office.

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#### LIBRARIES AND READING-ROOMS

Students have the free use of all the Libraries of the University. The whole number of volumes in the several libraries of the University is more than 300,000.

THE UNIVERSITY LIBRARY contains about 253,000 volumes, and many thousands of unbound pamphlets. Its READING-ROOM contains the books most important for daily consultation and reference, together with scholarly periodicals. Of current periodical publications, including publications of learned societies, the Library receives an unusually large number,—the foreign serials alone being not less than five hundred.

THE LINONIAN AND BROTHERS LIBRARY contains about 22,000 volumes of the best current literature.

THE COLLEGE READING-ROOM receives fifty-five daily newspapers, American and foreign, nearly sixty weeklies, and seventy-four other periodicals,—in addition to the periodicals received at the University Library. Graduate Students are admitted to the College Reading-Room on payment of an annual fee of two dollars.

THE SHEFFIELD SCIENTIFIC SCHOOL LIBRARY contains 5,000 volumes, largely mathematical.

THE ART SCHOOL LIBRARY contains about 500 volumes of expensive illustrated works.

THE LOWELL MASON LIBRARY contains 4,000 volumes of music.

The Peabody Museum, the Observatory, and the several Laboratories have valuable technical libraries.

Several of the departments of study (the Classical, English, Germanic, Political Science, and Historical) have special libraries of standard works for the use of advanced students.

Dwight Hall, the headquarters of the Young Men's Christian Association, is provided with a good library and a pleasant reading-room, besides the halls used for religious meetings.

A parlor and study-room at 135 Elm street is fitted up for the special use of the women studying in the Graduate School.

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#### LABORATORIES, MUSEUMS, AND COLLECTIONS

The Peabody Museum of Natural History.

The Physical, the Chemical, the Biological, and the Engineering Laboratories, and the Eaton Herbarium, of the Sheffield Scientific School.

The Sloane Physical, the Kent Chemical, and the Psychological Laboratories of Yale College.

The collections of the School of Fine Arts.

The collection of coins in the University Library, and various collections of models, casts, and photographs used in the teaching of mathematics and in other departments of instruction.



## LECTURES AND CONCERTS

The following courses of public lectures and concerts are open to the students of the University :

THE SHEFFIELD COURSE.

THE ART COURSE.

THE DIVINITY SCHOOL LECTURE COURSES.

THE AMERICAN LECTURES ON THE HISTORY OF RELIGIONS.

THE DWIGHT HALL COURSE.

THE PHI BETA KAPPA COURSE.

THE KENT CLUB COURSE.

THE UNIVERSITY CHAMBER CONCERTS.

THE SYMPHONY ORCHESTRA CONCERTS.

THE TROWBRIDGE LECTURES IN THE ART SCHOOL.

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DEGREES

THE DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those students who show the results of resident graduate work by a thesis giving evidence of high attainment and power of investigation, and by an examination on studies whose grade and amount meet the approval of the Faculty. Under ordinary circumstances two or more years' work in residence will be required, but in exceptional cases work of equal grade at another University may take the place of a year's residence here. The thesis must be deposited at the Library for public inspection, not later than May 1. A good knowledge of Latin, German, and French is required in all cases, unless, for some very exceptional reasons, the candidate be excused by the Faculty. The fee for instruction is one hundred dollars per year. The fee for graduation is ten dollars.

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THE DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of Yale College (and upon Bachelors of Arts of other colleges who have pursued a course of study equivalent to that pursued in Yale College) of two years'

standing or upwards, who have given to the College Faculty evidence of having made satisfactory progress in liberal studies after receiving their first degree. Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the College Faculty, followed by an examination. Graduates of other colleges can obtain the degree only by residence as thus described. The charge for instruction will usually be one hundred dollars per year, with a fee of ten dollars for the degree.

Such Bachelors of Arts of *Yale College* as may not choose to reside at the College for the prosecution of study may at any time not less than three years after graduation, show, in either of the two following ways, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree. (1) Such candidates may make application to the Faculty for the designation of a course of study, on which an examination shall be taken. This application must be accompanied by a fee of twenty-five dollars. (2) Or a candidate may submit as evidence of his fitness for this degree a printed essay, for the examination of which a fee of twenty-five dollars (to be paid in advance) is required. An additional fee of ten dollars will be charged in all cases for the degree.

A committee of the Faculty is appointed (consisting for the present year of Professors Wheeler and Phillips), to whom candidates for this degree must submit their proposed courses of study for approval by the first of November in each year; and the evidence of a year's study must be submitted to the same committee by June 1.

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THE DEGREE OF MASTER OF SCIENCE is conferred on graduates of this or other universities, of two years' standing or upwards, who have taken their first degree in science and who pursue successfully a higher course of

study in science under the direction of the Governing Board of the Sheffield Scientific School. Such a course involves at least one year of resident graduate study, followed by an examination and presentation of a satisfactory thesis in some department of science. A committee of the Faculty is appointed, to whom candidates for this degree must submit their proposed courses of study for approval before the end of October of each year.

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THE DEGREES OF CIVIL ENGINEER AND MECHANICAL ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course under the direction of the Governing Board of the Sheffield Scientific School for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions and to make the requisite drawings and calculations. The fee for graduation is five dollars.

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#### FELLOWSHIPS

FIVE FELLOWSHIPS yielding four hundred dollars each, not exempting the holders from charges of tuition, have been created by the Corporation out of the income of University funds. These fellowships are open to graduates of all colleges, but preference is given to those who have already spent at least one year in graduate study, and have shown capacity for original work.

The Class of '90 Fellowship, yielding one hundred and fifty dollars, is awarded to a student who has shown ability to do research work.

The Yale Alumni Association of California offers a Fellowship of three hundred dollars to a graduate of one of the California Universities, pursuing studies at Yale in the Graduate School. The incumbent is selected by the Association.

The following Fellowships are, by the terms of the donations, open only to graduates of the Academical Department of Yale University.

THE DOUGLAS FELLOWSHIP.

THE SOLDIERS' MEMORIAL FELLOWSHIP.

THE SILLIMAN FELLOWSHIP.

THE JOHN SLOANE FELLOWSHIP.

THE SCOTT HURTT FELLOWSHIP.

THE ELLEN BATTELL ELDRIDGE FELLOWSHIPS (two).

THE MACY FELLOWSHIP.

THE LARNED FELLOWSHIPS (three).

THE FOOTE FELLOWSHIPS (three).

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#### SCHOLARSHIPS

TWENTY SCHOLARSHIPS, yielding one hundred dollars each, have been created by the Corporation out of the income of University funds. These scholarships are open to graduates of all colleges.

The following Scholarships are open only to graduates of the Academic Department of Yale University.

THE CLARK SCHOLARSHIPS, and

THE W. W. DE FOREST SCHOLARSHIP.

THE DANIEL C. EATON GRADUATE SCHOLARSHIP IN BOTANY is endowed with the income of a fund of two thousand dollars given by Mrs. Eaton in commemoration of her husband, the late Professor Daniel C. Eaton. This scholarship will be open for competition to members of the Senior Classes in the Academic and Scientific departments, on conditions to be prescribed by the Governing Board of the Sheffield Scientific School.

Six scholarships of \$100 each (covering the charges for tuition) are awarded, on application, to those members of the graduating class of the Sheffield Scientific School who have attained high proficiency in the special studies of their respective courses, and who desire to spend one or more years in graduate study in the School. Each scholar-

ship will be available for one year only. Application for these scholarships must be made in writing on or before June 1st to the head of the department to which the student belongs, with a statement as to the character of the graduate study to be pursued.

Candidates for appointment to Fellowships and Scholarships should send their applications, accompanied by letters of recommendation and other evidence of the excellence of their work already accomplished, to the Dean, Professor Andrew W. Phillips, not later than May 1.

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#### COURSES OF INSTRUCTION

Courses marked with an asterisk (\*) are undergraduate courses, but are open to graduate students, provided that these have the consent of the instructor and the approval of the Faculty.

The number of hours stated means, when not otherwise specified, hours of exercise, lectures, or recitations, each week through the year.

The hours named for the exercise are subject to change.

## COURSES OF INSTRUCTION

## I. PSYCHOLOGY, ETHICS, AND PHILOSOPHY

GEORGE T. LADD, D.D., LL.D.

GEORGE M. DUNCAN, M.A.

EDWARD W. SCRIPTURE, Ph.D.

HENRY DAVIES, Ph.D.

HENRY S. WILLIAMS, Ph.D.

E. HERSHEY SNEATH, Ph.D.

THOMAS C. STEARNS, Ph.D.

GERVASE GREEN, Ph.D.

## Professor LADD :—

1 *Kant Seminary.* 2 hrs.

A thorough study of the *Critique of Pure Reason* and, if time permits, a less thorough study of the *Critique of Practical Reason*. After an expository and critical lecture, a paper upon a topic given out some time in advance is read, to be followed by discussion on the part of both teacher and class.

The effort is constantly made to understand Kant's system of thinking in the light of the history of opinion since his time, and especially of opinion upon the same subjects in the present day.

[Not given in 1899-1900.]

2 *Ethical Seminary.* 2 hrs.

The principal topics in the philosophy of conduct will be studied in detail ; such as the origin and development of moral consciousness, the conceptions of duty, virtue, and the moral law, the nature, ground, and sanction of the right, and the different "Schools" of ethical writers. The method of study combines lectures with papers and discussions by the class, and special research work for those who desire to investigate more thoroughly the literature of the particular subjects.

[Not given in 1899-1900.]

\*3 *Introduction to Philosophy.* 2 hrs.

[Not given in 1899-1900.]

\*4 *Abnormal Psychology.* 1 hr.

[Not given in 1899-1900.]

## Professor DUNCAN :—

5 *Advanced Psychology.* 2 hrs.

This is a course in General Psychology, in which a detailed study is undertaken of the phenomena of mental life from the

scientific point of view. Sully's *Human Mind* is read, with constant reference to Ladd's *Psychology, Descriptive and Explanatory*, James's *Principles of Psychology*, and the works of other leading modern authors; and the reading is accompanied by papers, discussions, and lectures.

[Tuesday, 9.30-11 A. M.]

6 *Epistemology.*

2 hrs.

(a.) The nature and conditions of formal truth are studied in connection with the reading of an advanced work on logic, such as Hobhouse's *Theory of Knowledge*. This is followed by a study of the psychology of knowledge and by an examination of the nature, limits, and grounds for the validity of our knowledge of reality. Professor Ladd's *Philosophy of Knowledge* is read in connection with the latter part of the course.

[Friday, 9.30-11 A. M.]

(b.) An historical and critical examination of speculations (more especially from Descartes to the present day) relating to the *philosophy of knowledge*: the history of opinion on the theory of knowledge is traced and the views of the more important thinkers critically examined with a view to the construction of a positive doctrine of knowledge. The course will be conducted in the *seminary* method. Much of the work is research,—the results being presented in papers for discussion.

7 *Discussions in Philosophy.*

1 hr.

A course in *philosophical criticism*, intended to develop and train the critical spirit, to deepen interest in the more profound themes of philosophy by showing their connection with popular life and thought; and to vindicate sound psychology and a theistic and Christian philosophy from the perennial misconceptions to which they are exposed. To this end some of the popular philosophical papers of Huxley, Tyndall, Clifford, Spencer, and others are read and freely discussed. Considerable attention will be given to some of the philosophical aspects of the Theory of Evolution, and those who take the course are recommended to take course 10, given by Professor Williams.

[Thursday, 9.30 A. M.]

\*8 *History of Modern Philosophy.*

2 hrs.

[See Course 4, page 60.]

## Professors DUNCAN and SNEATH :—

9 *Metaphysics.* 2 hrs.

The systematic and critical study of the problems of general metaphysics will be undertaken, including an examination of such conceptions as space, time, causation, energy, relation, quality, etc. Considerable portions of Lotze's *Metaphysics*, Bowne's *Metaphysics*, Bradley's *Appearance and Reality*, Wundt's *Metaphysik* and Ladd's *A Theory of Reality* will be read and discussed; but the exercises will consist principally in the presentation and discussion of elaborate papers embodying the results of research by the class.

[Saturdays, 8.30 to 10 A. M.]

## Professor WILLIAMS :—

\*10 *The Principles of Evolution.* 2 hrs.

[See Course 3, page 60.]

## Professor SNEATH :—

11 *Philosophical Scepticism.* 2 hrs.

This course involves an historical and critical examination of scepticism with special reference to the construction of a theory of knowledge. It is divided into three parts as follows:

1. *Historical.* The work in this part of the course includes an examination of the nature of scepticism as revealed in the history of speculative thought. It involves a study of the scepticism of the Sophists; the Earlier and Later Pyrrhonists; the Middle and New Academies; the scepticism of Augustine and Descartes; of Hume and Kant; the positivism of Comte, Mill, and Lewes; the relativism of Hamilton and Mansel; and the agnosticism of Spencer.

2. *Critical.* After considering the significance of scepticism, a careful examination is made into the causes and grounds of scepticism, special attention being given to sensationalism and error.

3. *Constructive.* This part of the course is devoted to a study of the psychology and philosophy of knowledge—to an inquiry into the nature, origin, validity, and extent of knowledge. The work is conducted in the *seminary* method.

[Monday, 3-4.30 P. M.]

12 *Philosophy of Mind.* 1 hr.

Beginning with the facts and laws established by empirical psychology, this course aims at the construction of a meta-



physic of mind. The following are some of the subjects to be treated: The concept of mind; the reality, nature, genesis, and destiny of mind; the relations of mind and body; materialistic objections, etc. The course will be based on Ladd's *Philosophy of Mind*.

[Tuesday, 11.30 A. M.]

- \*13 *Philosophical Anthropology*. 2 hrs.  
[See Course 5, page 60.]

- 14 *Philosophy and Literature*. 1 hr.

This course will consider the nature and the problems of philosophy as presented in the writings of distinguished men of letters. The works of the following authors will be specially considered: Coleridge, Carlyle, Tennyson, and Browning.

[Wednesdays, 9.30 A. M., A. O.]

Dr. SCRIPTURE:—

- \*15 *Psychology (Physiological and Experimental)*. 2 hrs.  
[See Course 11, page 62.]

- \*16 *Psychology (Elementary Laboratory Course)*. 2 hrs.  
[See Course 12, page 62.]

- 17 *Psychology (Advanced Laboratory Course)*. 1 hr.

A preparatory study of Fisher's *Infinitesimal Calculus* is followed by lectures on the theory of measurements (with references to Weinstein's *Physikalische Maassbestimmungen*, Vol. I.) and a series of exercises.

[Wednesday, 4 P. M., Psychological Laboratory.]

- 18 *Psychology (Methods of Research)*. 1 hr.

A study of Nernst-Schönfliess's *Mathematische Behandlung der Naturwissenschaften* with psychological illustrations is followed by a study of the theory of probabilities and its applications in psychological statistics.

[Monday, 3 P. M., Psychological Laboratory.]

- 19 *Psychology of Expression (Gesture, Speech, Music)*. 1 hr.

An experimental study of the expression of thought and emotion as shown in facial expression, in gesture, in rhythmic movements, in prose and poetical speech, and in musical rhythm.

[Wednesday, 3 P. M., Psychological Laboratory.]

20 *Psychology (Technical Course).*

1 hr.

This course consists of a series of exercises for those who expect to teach experimental psychology and to manage a laboratory. The instruction covers: the principles involved in making, repairing, and caring for apparatus, with practical training in wood and metal work; the methods of experimental demonstration, with practice in the preparation of lantern slides and the use of lime-light and electric lanterns; the principles of laboratory economy, etc. The workshop practice will be cared for by a special instructor. The student is expected to make several pieces of apparatus involving the use of the lathe and the various small tools. He is urged to become sufficiently familiar with apparatus and lantern-work to give successfully an illustrated lecture; practice lectures will be held and subjected to criticism.

[Monday, 4 P. M., Psychological Laboratory.]

21 *Psychology (Research).*

4 hrs.

Only those who have had sufficient experience are permitted to undertake independent investigations. Special arrangements are made for candidates for the degree of Doctor of Philosophy. The results of all investigations belong to the archives of the laboratory. Those who undertake investigations thereby agree to prepare the results for publication, subject to approval, in the *Studies from the Yale Psychological Laboratory*.

[The two following courses may be taken either as studies in philosophy or as studies in Greek. Philological discussions will be introduced into both these courses in so far as such discussions may be necessary to a clear understanding of the thought involved.]

Dr. STEARNS :—

22 *Pre-Socratic Philosophy.*

2 hrs.

The sources and remains of the earliest Greek Philosophy will be critically examined and interpreted with a view to explain the origin and first developments of that line of reflective thinking which has had most influence upon the modern scientific and philosophical ideas and problems.

[Monday and Thursday, 9.30 A. M., A, O.]

23 *Psychology of Aristotle.*

2 hrs.

The *De Anima* will be translated and interpreted. The course will serve to acquaint the student with Aristotle's peculiar philosophical terminology and with the underlying conceptions in his entire system of thinking. The consideration of the more distinctly psychological doctrines will afford an opportunity to point out their implicates in preceding thought, to show their subsequent development, and to criticize them in the light of modern science. The *seminary* method will be used.

[Friday, 3-4.50 P. M., B. O.]

\*24 *Plato's Philosophical System.*

2 hrs.

[See Course 14, page 62.]

\*25 *Ancient Philosophy.*

2 hrs.

[See Course 13, page 62.]

Dr. GREEN :—

26 *History and Theory of Education.*

2 hrs.

This course will comprise readings and lectures on the history and theory of modern education. The bearing of psychology upon methods of teaching and curricula will be considered, followed by a study of the works of the great educational reformers, closing with a critical study of present theory and practice. The course is especially but not exclusively adapted to all who intend to engage in educational work.

[Monday and Friday, 3 P. M.]

27 *Locke's Essay concerning Human Understanding.*

1 hr.

A careful study of this great classic of empiricism is undertaken and an attempt made to estimate its value and its influence upon subsequent thought. Professor Fraser's new critical edition of the *Essay* and Langley's translation of Leibnitz's *Critique of Locke* are used, and Leibnitz's criticisms are compared with those of the more important of Locke's other expounders and critics, such as Lee, *Anti-Scepticism*; Cousin, *Philosophy of Locke*; Green, *Introduction to Hume*; Webb, *Intellectualism of Locke*, etc.

[Friday, 11.30 A. M.]

\*28 *Outlines of General Philosophy.*

2 hrs.

[See Course 6, page 60.]

Dr. DAVIES :—

29 *Aesthetics.*

1 hr.

The object of this course is to review the history of thought on the subject of the beautiful ; to give a philosophical account of the foundations upon which the arts rest ; and to study scientific theory of art in its relation to general philosophical system. Bosanquet's *History of Aesthetics*, Rutgers Marshall's *Pain, Pleasure, and Aesthetics*, and other works, will be read in connection with the course.

[Wednesday, 2 P. M.]

30 *Philosophy of the Early Christian Fathers.*

2 hrs.

This course of lectures gives a detailed view of the development of Christian thought during the first three centuries. Its object is to trace the philosophical influences which helped to modify Christianity during this period ; to show how Christianity triumphed over heathen philosophy, and how the beginnings of a Christian philosophy were made ; and to estimate critically the value of these early results for modern thought.

[Wednesday, 3-4.30 P. M.]

THE PHILOSOPHICAL CLUB is designed to afford opportunity both for comparison and discussion of views among all the students in this Department, and also for hearing addresses and papers from distinguished authorities on philosophical subjects, who are not connected with the Department as teachers. The regular meetings of the Club are fortnightly, on Tuesday evening. All graduate students who take courses in philosophy are entitled to membership, on application ; others may be admitted to membership by vote of the existing members.

## II. ECONOMICS AND SOCIAL SCIENCE, HISTORY, LAW

PRESIDENT HADLEY, LL.D.	GEORGE P. FISHER, D.D., LL.D.
EDWARD J. PHELPS, LL.D.	WILLIAM H. BREWER, Ph.D.
ARTHUR M. WHEELER, LL.D.	WILLIAM G. SUMNER, LL.D.
CHARLES H. SMITH, LL.D.	GEORGE B. ADAMS, Ph.D.
HENRY W. FARNAM, R.P.D.	JOHN B. CLARK, Ph.D., LL.D.
WILLIAM F. BLACKMAN, Ph.D.	EDWARD G. BOURNE, Ph.D.
JOHN C. SCHWAB, Ph.D.	IRVING FISHER, Ph.D.
GEORGE L. FOX, M.A.	EDWIN B. GAGER, B.A.
FREDERICK WELLS WILLIAMS, B.A.	WALTER I. LOWE, Ph.D.
WILLIAM B. BAILEY, Ph.D.	EDWARD D. COLLINS, Ph.D.
JOHN M. GAINES, B.A.	ALBERT G. KELLER, Ph.D.

## ECONOMICS AND SOCIAL SCIENCE

## Professor SUMNER :—

- 1 *Anthropology.* 2 hrs.  
A careful study of Ranke's *Der Mensch* (2d ed.), with an examination of the separate topics by means of all the appropriate material.  
[Not given in 1899-1900.]
- 2 *Systematic Societology*; Section IV. a. 2 hrs.  
An ethnological study of the development of the *Mental Operations* and of the growth and contents of the *Mental Outfit* of the human race, in the earlier stages; knowledge and pseudo-knowledge, world-philosophy, otherworldliness, industrial theories, mores, codes, mental training, traditional wisdom.  
[Not given in 1899-1900.]
- 3 *Politics and Finance in the History of the United States.* 2 hrs.  
A study of the evolution of the institutions of the democratic republic, of the societal organization, and of the history of the money of account.  
[Not given in 1899-1900.]
- 4 *The Industrial Revolution of the Renaissance Period.* 2 hrs.  
A chapter in the history of the development of the industrial organization. The industrial element in the Renaissance. The transition from medieval to modern society in its causes, new elements, effects on classes, effects on economic doctrine. Changes imposed on the industrial organization; world-commerce, land-tenure, handicrafts, banking, and money.  
[Monday, 10.30 A. M. and Wednesday, 9.30 A. M.]

5 *The Beginnings of the Industrial Organization.* 2 hrs.

An ethnological study of the industrial organization from its earliest beginnings. Division of labor between the sexes and the special functions of each; regulation of industry; slavery; formation of capital; discoveries and inventions; domestication of animals and plants; money, etc.

[Wednesday and Thursday, 10.30 A. M.]

\*6 *The Science of Society.* 2 hrs.

[See Course 40, page 68.]

\*6a *The Science of Society.* 2 hrs.

[See Course 41, page 69.]

Professor J. B. CLARK :—

7 *History of Theories of Distribution.*

A comparative study of theories of the Distribution of Wealth. An outline of recent theories of Wages, Interest and Profits is presented and is compared with the doctrines of Adam Smith, Malthus, Ricardo, Senior, Mill and Cairnes. A study is made of the relation of changes in the processes of industry and in the structure of society to Economics as a science; and a view is afforded of the natural relation of the deductive method of study to the historical method. It is an object of the course to accomplish a certain constructive work, and to utilize the results of comparative studies in determining positive laws of distribution.

[Friday, 2.00 to 3.50.]

Professor FARNAM :—

8 *Pauperism.* 2 hrs. 1st term.

An examination of the nature and causes of indigence, the history of efforts to deal with it, and some of the modern problems arising in connection with it.

[Not given in 1899-1900.]

9 *The Modern Organization of Labor.* 2 hrs. 2d term.

These lectures treat of the historical antecedents and the development during the nineteenth century of associations of wage-receivers. They therefore include an account of the structures, aims, and methods of such societies in different countries, together with a discussion of their relations to social-

ism, the factory system, labor disputes, labor legislation, workmen's insurance, provision for the unemployed, and other features of the modern industrial world.

[Not given in 1899-1900.]

10 *The Principles of Public Finance.* 2 hrs.

A systematic survey of the means by which the expenditures of government are met, regard being had both to the economic principles involved and to the fiscal systems of modern states. Leading topics are: the budget, taxation (national and local), public debts, and state banks considered as aids to public credit.

[Not given in 1899-1900.]

President HADLEY and Professor SCHWAB :—

\*11 *Economics.* 2 hrs.

[See Course 30, page 66.]

\*12 *United States Industrial History.* 2 hrs.

[See Course 33, page 67.]

Professor SCHWAB :—

\*13 *Finance.* 2 hrs.

[See Course 32, page 66.]

\*14 *United States Financial History.* 1 hr.

[See Course 38, page 68.]

15 *The Finances of the Confederate States, 1861-65.* 1 hr.

A course of lectures upon the financial and industrial history of the South during the Civil War.

[Tuesday, 10.30 A. M.]

Professor BLACKMAN :—

16 *Social Science.* 2 hrs.

A study of some important problems of American life, such as the negro; the immigrant; the defective, dependent, vicious and criminal classes (charities and correction); the city; the wage and factory system; the family; and communism, socialism, and anarchism. The lectures are supplemented by reports and book-reviews by the students, and (probably) by a visit to the charity and correctional institutions of New York. As introductory to the course, a few lectures are given on the study and literature of Sociology.

[Wednesday and Saturday, 8.25 A. M.]

17 *The Literature of Sociology.* 2 hrs. 1st term.

A classification of the principal writers in "schools," and a comparison and contrast of their points of view and methods: contractual (Rousseau), positivist (Comte), evolutionary (Spencer, Drummond), biological (Schäffle), psychological (Tarde, Durkheim, Le Bon, Simmel, Ward, Giddings, Baldwin), "group-wise" (Gumplowicz), observational, and statistical (Le Play, Quetelet), theocratic (Old Testament).

[Thursday, 10 A. M.]

18 *A Sociological Study of the Family.* 1 hr. 2d term.

Its biological and psychological bases; its history; matriarchy and patriarchy; polyandry, polygyny, monogamy; heredity, physical and social; prostitution, and divorce; the moral and social significance of the family.

[Thursday, 10 A. M.]

19 *The Social Teaching and Influence of Christianity.* 1 hr.

Selected portions of the following works will be studied and discussed: Friedländer's *Sittengeschichte Roms*, Sienkiewicz's *Quo Vadis*, Mathews's *Social Teaching of Jesus*, Schmidt's *Social Results of Early Christianity*, Uhlhorn's *Conflict of Christianity with Heathenism* and *Die Christliche Liebesthätigkeit*, Nash's *Genesis of the Social Conscience*, Lecky's *History of European Morals*, Dennis's *Christian Missions and Social Progress*.

[Thursday, 8.25 A. M.]

Dr. BAILEY :—

20 *The Economic System of Classical Antiquity.* 1 hr.

A critical study is made of the political and social institutions of Greece and Rome. The lectures treat of the income and expenditure of the state, the currency, credit instruments, poor relief, slavery, land tenure, commerce, trade regulations, marriage institutions, etc.

[Tuesday, 9.30 A. M.]

\*21 *Statistics.* 2 hrs.

[See Course 31, page 66.]

Mr. GAINES :—

\*22 *Mathematical Economics.* 2 hrs.

[See Course 34, page 67.]



Dr. KELLER :—

23 *Homeric Social Life.*

A systematic study of Homeric social life from the direct documentary evidence of the Iliad and Odyssey ; National Environment, Industrial Organization, Religion, Property, Marriage, Government and Classes will be studied in the light of Sociology and Culture-history. The comparative method will be used as far as possible, and an attempt will be made to "place" the Homeric Age in its various relations to general culture-development. The course will afford practice in the interpretation of historical documents and will be most profitably pursued by those able to read German or French.

LAW

Professor E. J. PHELPS :—

\*24 *Law.*

2 hrs. 2d term.

[See Course 45, page 69.]

Mr. GAGER :—

\*25 *Jurisprudence.*

2 hrs. 1st term.

[See Course 45, page 69.]

Mr. FOX :—

26 *Comparative Municipal Government.*

1 hr.

The subject is treated from a practical rather than an historical point of view, and has a close relation to the future work of the student as a citizen. Some of the subjects considered are the sphere and functions of city government, existing and proposed ; organization and methods of administration ; relation to the higher legislature ; attitude toward natural monopolies ; sources of revenue and methods of expenditure. The leading types of American city government are described, together with a survey of European cities. Original reports upon city charters are required, and occasional debates may be held on questions of municipal policy.

[Tuesday, 4 P. M.]

## HISTORY

Professor BREWER :—

29 *Physical Geography in its relation to History.*

1 hr. 2nd half of 2d term.

A course of about ten lectures discussing the following topics : the relations of man to the region he inhabits ; physical geography as related to the development of civilization ; natural aids to the defence and protection of communities ; natural facilities for commerce ; the effect of these several factors on the history of nations ; and the modification of these natural conditions by modern science and invention.

[Thursday, 10.30 A. M.]

Professor WHEELER :—

30 *History of Treaties, 1763-1815.*

1 hr.

[Thursday, 10.30 A. M.]

\*31 *History of Europe since 1789.*

2 hrs.

[See Course 52, page 71.]

32 *Investigation of special topics in European History from 1789 to 1815.*

1 hr.

A general knowledge of the period, and ability to read French or German easily, are required.

[Saturday, 11.30 A. M.]

33 *Constitutional History of England since 1760.*

1 hr.

Professor C. H. SMITH :—

34 *American History.*

2 hrs.

Political and Constitutional History of the United States from the adoption of the Constitution in 1788, to the time when the contest over the extension of slavery into the territories became prominent. For topical study and discussion by the class, with the presentation of written outlines each week.

[Tuesday, 10.30 A. M. to 12.20 P. M., D. O.]

35 *American History.*

2 hrs.

Political and constitutional history of the United States from the time when the contest over the extension of slavery into the

territories became prominent, until the close of the Reconstruction period in 1877. For topical study and discussion by the class, with the presentation of written outlines each week.

[Omitted in 1899-1900.]

36 *American History.* 1 hr.

A constitutional course, taking up the structure and working of the Legislative, Executive, and Judicial departments of the Federal Government. Special attention will be given to the changes which have been wrought in the Constitution in other ways than by formal amendment.

A lecture course, with collateral reading, and an examination at the close of the year.

[Tuesday, 9.30 to 10.20 A. M., D<sub>2</sub> O.]

37 *American History.* 1 hr.

A constitutional course, taking up the relations of the States to the Federal Government, as existing under the Articles of Confederation, as seen in the formation and adoption of the Constitution, as provided for in the text of the Constitution, and as modified by some of the amendments and by usage. Special attention will be given to the National and State rights doctrines as developed at the North and the South respectively before the Civil War.

A lecture course, with collateral reading, and an examination at the close of the year.

[Friday, 9.30 to 10.20 A. M., D<sub>2</sub> O.]

38 *American History.* 2 hrs.

A study of the State Constitutions in their origin and development. A research course, requiring each student to take the Constitution of at least one State and make a careful study of it from the sources, giving special attention to the changes made in it by amendment, and to those conditions in the State which led to amendment. Papers will be prepared and read by members of the class on designated features of a single constitution or a group of constitutions. Lectures will be given on the histories of different States, and on the part assigned to the States in our scheme of government, especially in their relations to their own citizens.

[Friday, 10.30 A. M. to 12.20 P. M., D<sub>2</sub> O.]

Courses 34 and 35 are given in alternate years, and either one may be taken as a first-year course. Courses 36 and 37 may be taken together as a two-hour course, furnishing an historical study of the

formation and development of the Federal Constitution in its most important features. Course 38 may be taken as a one-hour course, with an examination at the close of the year, by those who have American History as a minor study and wish the lectures without the research work.

Dr. COLLINS :—

\*39 *Medieval History.*

2 hrs.

[See Course 50, page 70.]

Professor ADAMS :—

40 *Medieval Institutions.*

2 hrs.

This course extends through two years, and considers the most important European institutions between the fall of Rome and the sixteenth century. The student is made acquainted with the literature of the subjects treated and with the collections of original material. He is expected to investigate selected topics in the sources and to report to the class upon them, and especial attention is paid to the principles of criticism and to methods of research.

*a.* The first year's course covers early German institutions ; their modification under Roman influence ; the development of the papal power and its special institutions ; the institutions of Charlemagne's empire ; the origin and the final forms of feudalism ; and the beginnings of national governments.

*b.* In the second year's course especial attention is given to the growth of English institutions after the Norman conquest, the introduction of feudalism, the administrative system, the courts and the jury, taxation, parliament, and the limited monarchy. These are studied in comparison with the corresponding institutions of the continental states, and the similarities and differences will be noticed. Important continental institutions imperfectly or not at all represented in England are also studied.

[Courses *a* and *b* are not given in 1899-1900.]

Professor BOURNE :—

41 *Methods of Historical Research and Criticism.*

1 hr.

The first half of this course consists of lectures and discussions on the principles of historical criticism, for which Langlois and Seignobos' *Introduction to the Study of History* will serve

as an outline. A few typical problems of internal and external criticism will be examined by the class and thoroughly analysed. The second half consists of practical exercises in the study of selected historical documents, so arranged as to furnish examples of all the important points of method. The weekly exercises in this course may occupy two hours.

[Monday, 3 P. M.]

Assistant Professor RICHARDSON :—

- \*42 *English Constitutional History.* 2 hrs.  
[See Course 55, page 71.]

Professor BOURNE :—

- \*43 *American History (Colonial).* 2 hrs.  
[See Course 61, page 72.]

- \*44 *American History (National).* 2 hrs.  
[See Course 62, page 73.]

- 45 *European Colonies in America.* 2 hrs.

A comparative study of the colonization of the New World. This course begins with a brief review of medieval commerce and of the impulses promoting the voyages of discovery. This is followed by a more detailed study of representative colonies. The Spanish, French, and English colonies are compared with each other and with their respective mother countries. Particular attention is given to the various forms of colonial administration and to the early steps toward Union. In the latter part of the course the causes of the American Revolution and the downfall of the old colonial system are examined.

[Tuesday and Thursday, 3 P. M.]

- 46 *Sources and Literature of American History.* 1 hr. 2d term.  
Informal lectures, with reports and criticisms by the class.

- 47 *Modern European and English Historiography.* 1 hr. 2d term.

History of modern historical literature and investigation from the middle of the eighteenth century. After a brief review of the general condition of historical studies in the last century, the modern development of historical study in Germany, France, and England is examined and its progress followed in the representative works of historical scholarship down to our own time.

[Omitted in 1899-1900.]

48 *Diplomatic History of the United States.* 2 hrs. both terms.

History of the foreign relations of the United States from the beginning of the Revolution to the close of the Civil War. Special attention is given to the relations with Spanish America and to the annexations of territory. A reading knowledge of Spanish is very helpful for the prosecution of this course.

[Omitted in 1899-1900.]

Assistant Professor RICHARDSON :—

52 *English History from the accession of the Tudors to the reign of William and Mary.* 2 hrs.

A research course which extends through two years and lays more stress upon the constitutional than upon the political side of the subject. Construction of bibliographies, and reports based upon independent investigation of the sources, form an important part of the work.

a. The course for the first year embraces the period between 1485 and 1603. The reigns of Henry VII., Edward VI., and Mary are treated with comparative brevity in lectures, with assigned readings from primary and secondary sources, while particular attention is paid to constitutional developments under Henry VIII. and Elizabeth. [Course *a* is not given in 1899-1900.]

b. The course for the second year embraces the period between 1603 and 1688. The constitutional history of the Puritan Revolution will receive especial consideration. The work consists in large part of a systematic study of the documents contained in Prothero's *Statutes and Constitutional Documents*, and Gardiner's *Constitutional Documents of the Puritan Revolution*. [Course *b* is given in 1899-1900.]

53 *France before the Revolution.* 1 hr.

This course embraces the study of the institutions of the *Ancien Régime*; also of the formation and growth of the revolutionary spirit. Representative works of representative eighteenth century authors will be read and discussed.

[Tuesday, 9.30 A. M.]

\*54 *History of Europe from the Reformation to the French Revolution.* 2 hrs.

[See Course 51, page 71.]

Dr. W. I. LOWE :—

55 *English Constitutional History (1295-1485).*

2 hrs., 2d term.

From the Model Parliament and the Confirmation of the Charters to the Establishment of the Tudor Despotism.

This is an investigation course, beginning with a general survey of the Constitution under Edward I, and ending with the Reign of Richard III. A knowledge of the political history of the period and the ability to use original sources are essential prerequisites for this course.

Mr. F. W. WILLIAMS :—

\*56 *Ancient Oriental Nations from the earliest times.* 2 hrs.  
[See Course 48, page 70.]

\*57 *Modern Asiatic History.* 2 hrs.  
[See Course 59, page 72.]

\*58 *Medieval Asia and the Mohammedan Conquest.* 2 hrs.  
[See Course 58, page 71.]

59 *Administration of European Colonies.* 2 hrs.

An investigation of the systems employed by various European nations in governing their colonial possessions, particularly in Africa and the East. The causes leading to the acquisition of these colonies are considered in connection with the policy pursued by each of the powers in turn, after which attention is given to the financial, economic, and administrative features peculiar to each.

Professor GEORGE P. FISHER :—

60 *General Church History.* 3 hrs.

This course comprises the following topics: The nature, divisions, and sources of Church History, with a review of the literature on the subject; the old or preparatory dispensation in its relation to Christianity; the condition of the Graeco-Roman world at the introduction of the Gospel; the establishment of Christianity, and the conflicts of the apostolic age; the spread of Christianity, including especially the conversion of the Roman Empire and of the Teutonic nations; the changes in ecclesiastical polity in the early centuries; the organization of Latin Christianity under the Papacy; the relations of the Papacy and

the Church to civil society in the Middle Ages; the Protestant Reformation, with its causes and the systems of polity adopted by the different Protestant churches; Christian life, and its characteristic features in the successive eras, including the rise and subsequent history of monasticism; the history of Christian worship.

[Monday, Thursday, and Saturday, 10 A. M.]

For Outline Survey of Ancient History see course IV, 2.

THE POLITICAL SCIENCE CLUB meets fortnightly for the reading and discussion of papers, and for reports on current literature. A convenient room in White Hall (No. 11) is set apart for its use, and contains a small departmental library which is accessible to the graduate students at all hours of the day. As the books are not allowed to be taken from the room, this library is particularly helpful to graduate students when they wish to refer to some authority which is temporarily withdrawn from the University library.

THE HISTORICAL SEMINARY ROOM, No. 190 High street, contains a reference library to which graduate students may have access at all hours.

THE HISTORICAL CLUB meets fortnightly for the reading and discussion of papers and for reports on current periodicals.

### III. SEMITIC LANGUAGES AND BIBLICAL LITERATURE

EDWARD L. CURTIS, Ph.D., D.D.      FRANK C. PORTER, Ph.D., D.D.  
 BENJAMIN W. BACON, Litt.D., D.D.      FRANK K. SANDERS, Ph.D.  
 WARREN J. MOULTON, B.D., Ph.D.      WALTER M. PATTON, B.D., Ph.D.  
 MEYER WOŁODARSKY, Ph.D.

#### HEBREW

Professor CURTIS :—

I    *Elementary Hebrew.* 5 hrs.

The year's work includes a mastery of the elements of Hebrew and the translation of Genesis and of Exodus i-xxiii.

[Tuesday to Saturday, 11.30 A. M.]



- 2 *The Book of Job.* 1 hr.  
The grammatical and historical exegesis of the Hebrew text.  
Lectures and recitations.  
[Monday, 5 P. M.]
- 3 *The Five Megilloth.* 1 hr.  
The grammatical and historical exegesis of the Hebrew text.  
Lectures and recitations.  
[Omitted in 1899-1900.]
- 4 *Selections from the Psalter.* 2 hrs. 1st term.  
The grammatical and historical exegesis of the text, with attention to New Testament interpretation and homiletical application.  
[Tuesday and Friday, 10.30 A. M.]
- 5 *The Book of Isaiah.* 1 hr. 2d term.  
The grammatical and historical exegesis of the Hebrew text.  
[Wednesday, 10.30 A. M.]
- 6 *Readings in Unpointed Hebrew Texts.* 1 hr.  
[Omitted in 1899-1900.]

Professor SANDERS:—

- 7 *Hebrew Poetical Literature.* 1 hr.  
A survey of the entire field of Hebrew poetical literature, with emphasis upon the relation of form to interpretation, accompanied by lectures on Semitic poetry.  
[Omitted in 1899-1900.]
- 8 *Textual Criticism of the Old Testament.* 1 hr.  
A close textual study of some one of the Minor Prophets, making use of the apparatus of the lower criticism to restore the original text. At the beginning and at the close of the year's work lectures are given on the apparatus, methods, and history of O. T. criticism.  
[Omitted in 1899-1900. Similar work is offered in course 46.]

Dr. MOULTON:—

- 9 *Elementary Hebrew.* 2 hrs.  
A study of the elements of the Hebrew language in connection with the reading of Genesis i-viii and of selected passages of easy Hebrew.  
[Tuesday and Friday, 3 P. M., 178 Lyc.]

Dr. PATTON :—

10 *Advanced Hebrew.* 2 hrs.

A course which continues course 10 and carries the student as far as the first year of Hebrew in a theological seminary. It includes a thorough review of the grammar, and the careful reading of the books of Samuel, and of portions of the Minor prophets. In the second term two hours of sight reading will count as one of these hours.

[Monday and Thursday, 3 P. M.]

11 *Hebrew Syntax.* 1 hr.

A careful study of the principles of Hebrew Syntax with references to the standard discussions and with some attention to comparative syntax. During the year a critical reading of a variety of passages with especial reference to a syntactical interpretation.

[Wednesday, 3 P. M.]

#### OTHER SEMITIC LANGUAGES

Professor SANDERS :—

12 *Arabic Poetical and Philosophical Literature.* 2 hrs.

The first half of the year is devoted to the *Mu'allaqât* and other poetical literature, read both with and without the unpointed commentary. In the second half of the year the class makes constant use of the valuable Salisbury collection of mss. and texts in the University library. Lectures on Arabic literature are given at intervals throughout the year.

[Friday, 4-6 P. M.]

13 *Elementary Assyrian.* 2 hrs.

The year's work includes the mastery of the more common cuneiform signs, the principles of the language, the rapid reading of much transliterated material, the careful reading of selected portions of the texts of Tiglathpileser, Shalmaneser, and Sennacherib in the cuneiform, together with lectures on the outlines of Assyro-Babylonian history and literature.

[Tuesday, 11.30, and Friday, 2 P. M.]

14 *Assyrian and Babylonian Inscriptions.* 2 hrs. 1st half-year.

Selected inscriptions from the annals of the later Assyrian kings, and of the Neo-Babylonian empire, the Creation and Deluge tablets, etc.

[Tuesday and Friday, 3 P. M.]

15 *Assyro-Babylonian History and Literature.*

2 hrs. 2d half-year.

A rapid reading with the use of Schrader's transliterated texts of the whole range of Babylonian and Assyrian historical inscriptions, the object being to gain a familiarity with the literature and the history, and a critical estimate of the relation of one to the other.

[Tuesday and Friday, 3 P. M.]

Dr. MOULTON :—

16 *Elementary Syriac.*

2 hrs.

The principles of the language with reading of selections from the New Testament, Barhebraeus, etc.

[Tuesday and Friday, 4 P. M., 175 Lyc.]

17 *Advanced Syriac.*

2 hrs.

A continuation of course 16.

[Omitted in 1899-1900.]

18 *Biblical Aramaic and Aramaic of the Targums.*

2 hrs.

[Omitted in 1899-1900.]

Dr. PATTON :—

19 *Elementary Arabic.*

2 hrs.

During the first term the principles of the language are mastered in connection with the careful study of the Arabic version of *Genesis i-iii*. From Christmas until Easter the class reads in easy Arabic. After Easter selected *Suras of the Qur'an* are carefully read. In connection with these, lectures are given by the instructor on early Arabian civilization, Arabic literature, the structure and general contents of the *Qur'an*, and the history of Islam.

This course affords a thorough introduction to classical Arabic. It is valuable to one who is interested in thorough Semitic study or in Comparative Religion, and is only moderately difficult for one who has already studied Hebrew.

[Monday and Thursday, 4 P. M.]

20 *Arabic Prose Literature.*

2 hrs. 1st half-year.

A rapid reading of selections from the Arab historians and from the *Thousand and One Nights*, followed by a close study of the *Ajurrámiya* or the *Kitáb al Agháni*. Lectures are given on the history of Islám.

[Monday and Thursday, 11.30 A. M.]

- 21 *The Qur'an.* 2 hrs. 2d half-year.  
 Interpretation of the early Meccan suras and of selections from those of other periods, accompanied by a study of the life of Muhammad.  
 [Monday and Thursday, 11.30 A. M.]
- — — :—
- 22 *Semitic History and Philology.* 2 hrs.  
 A brief historical survey of Semitic peoples and languages.  
 [Omitted in 1899-1900.]
- 23 *Ethiopic or Phoenician.* 2 hrs.  
 [Omitted in 1899-1900.]

## BIBLICAL LITERATURE

Professor CURTIS :—

- 24 *Ancient Traditions and History of the Jewish People.* 1 hr.  
 Studies in history and archaeology with the view of determining the meaning and historical value of the Biblical records.  
 [Thursday, 8.30 A. M.]
- 25 *Analysis and Exposition of Isaiah, Jeremiah, and Ezekiel.*  
 (English Bible.) 2 hrs. 2d term.  
 [Tuesday and Friday, 10.30 A. M.]
- 26 *Old Testament Introduction.* 1 hr.  
 A brief survey of the history of the canon, text, and versions, followed by special introduction to the Hexateuch and remaining Old Testament books. Lectures.  
 [Wednesday, 11.30 A. M.]

Professor PORTER :—

- 27 *Biblical Theology of the Old Testament.* 2 hrs.  
 A history of the religion of Israel from its beginning to the time of Christ. Special attention is given to the work and teachings of the several Prophets, to the significance of the Exile, and to the nature and history of post-exilic Judaism.  
 [Wednesday and Saturday, 11.30 A. M.]

28 *Biblical Theology of the New Testament.* 3 hrs.

The teaching of Jesus is examined in its individuality and in its historical relations and significance. The theology of the Apostolic age is then studied, with special reference to the sources, character, and influence of the thought of Paul.

[Tuesday, Thursday, and Friday, 8.30 A. M.]

29 *Hellenistic Jewish Literature.* 1 hr.

Readings from the early Hellenistic literature and from Philo, with special reference to the relation of Hellenistic to Palestinian Judaism, and its influence on early Christian thought.

[Friday, 5 P. M.]

30 *Palestinian Jewish Literature.* 1 hr.

A course similar in character to course 29.

[Omitted in 1899-1900.]

31 *The Biblical Doctrine of the Spirit.* 1 ½ hrs.

An investigation course for the historical study of the doctrine of the Spirit in the Old and New Testaments.

[Thursday, 11.30 A. M.]

Professor BACON :—

32 *Prolegomena to the New Testament.* 1 hr.

Lectures on philological and historical apparatus for New Testament exegesis, textual criticism, and history of the New Testament canon.

[Saturday, 8.30 A. M.]

33 *The Pauline Epistles.* 3 hrs. 1st term.

Grammatico-historical exegesis of Galatians and Ephesians with comparison of the Pauline system.

[Tuesday, Thursday, Friday, 8.30 A. M.]

34 *The Gospel of Mark.* 3 hrs. 2d term.

Historico-critical exegesis of the Gospel of Mark, with comparison of the synoptic tradition.

[Tuesday, Thursday, Friday, 8.30 A. M.]

35 *The History of New Testament Literature.* 2 hrs.

Mondays, critical readings of the Book of Acts with application of the principles of historical and documentary criticism. Thursdays, lectures on special introduction to the several New Testament books.

[Monday, Wednesday, 8.30 A. M.]

- 36 *Sources and Text of the Lucan Writings.* 2 hrs.  
A critical investigation of the literary sources of the Gospel of Luke and Book of Acts. *Seminar method.*  
[Thursday, 4-6 P. M.]
- 37 *Sight-Reading of the New Testament.* 2 hrs.  
Translation and condensed comment on books not read in the course. Open to all students in the University.  
[Tuesday, 4-6 P. M.]

Professor SANDERS :—

- 38 *Biblical Literature (Pre-exilic).* 2 hrs.  
A constructive survey of the Old Testament as history and literature to the Babylonian exile, 586 B. C., each book being considered, as far as possible, in its appropriate chronological connection. The history of the Hebrew people is treated both as an integral part of Western Asiatic history and as a history of religious development. The course aims to 'promote (1) a thorough but general familiarity with the contents of the English Old Testament, (2) a realization of the significance of Hebrew history, (3) an appreciation of the Bible as a noble literature, and (4) an intelligent attitude towards many problems raised by Biblical criticism. Nearly two-thirds of the Old Testament is covered in the course of the year.  
[Wednesday and Saturday, 9.30 A. M.]
- 39 *Biblical Literature (Post-exilic).* 2 hrs.  
A survey of Biblical history and literature from the period of the exile, 586 B. C., to the close of the first Christian century, including the books of the Old Testament not considered in course 38, some apocryphal literature and the whole of the New Testament. This course is complete in itself, while, with course 38, it covers the whole Bible, and the whole range of Asiatic history down to the Roman domination, as far as it relates to Biblical history.  
Students in both courses have access to a carefully selected reference library and to much illustrative material.  
[Tuesday and Friday, 10.30 A. M.]
- 40 *English Bible Seminary.* 2 hrs.  
An investigation course, intended to train men for patient and accurate investigation of Biblical questions.  
The course is very informal, the class meeting at regular intervals to report and compare results of individual study of themes assigned by the instructor.  
[Wednesday, 2-4 P. M.]

41 *Messianic Prophecy.* 1 hr.

A survey of the Messianic passages in the Old Testament, so far as to show the historical development of the conception and the various forms in which it was embodied.

[Omitted in 1899-1900.]

42 *The Hebrew Prophets.* 1 hr.

A detailed study of the prophetic writings of the Old Testament taken in chronological order, in connection with the survey of the general subject of Prophecy.

[Tuesday, 2 P. M., 184 Lyc.]

Dr. MOULTON :—

43 *Studies in the Gospels.* 1 hr.

A survey of the characteristics of the gospels which throw light on their origin and interpretation, followed by a study of their distinctive contents, especially the parables of Jesus.

[Omitted in 1899-1900.]

44 *The Pauline Epistles.* 1 hr.

A detailed study of the principal epistles of Paul taken in the probable order of writing.

[Thursdays, 2 P. M.]

45 *Maccabean History and Literature.* 1 hr.

A survey of the history and literature of the period from the death of Alexander the Great, 323 B. C., to the conquest of Palestine by Pompey, 63 B. C.

[Wednesday, 10.30 A. M.]

46 *The History of the LXX and its Use in Criticism.*

2 hrs. 1st half-year.

The history of the Alexandrian version of the Old Testament and the reading of Samuel or Kings to illustrate its value in textual study.

[Tuesday and Friday, 11.30 A. M.]

47 *Reading of Theological German.* 1 hr.

Reading of Jülicher's *Die Gleichnisreden Jesu*, I Thl.

[Monday, 2 P. M.]

Dr. WOŁODARSKY :—

48 *Readings in Post-Biblical Jewish Literature.* 2 hrs.

A sight reading course in Rabbinic and Talmudic literature with discussions of the later Jewish interpretation of Hebrew law.

Students in this course must have gained a working knowledge of Hebrew and Aramaic.

49 *Modern Hebrew Literature.* 1 hr.

The class will read some standard historical novel by a modern writer, affording excellent practice in the reading of Hebrew and an insight into Jewish life and ideas.

Only a good elementary knowledge of Hebrew is necessary in this course.

For courses in Hellenistic Greek compare the announcement of the Department of Classical Philology.

THE SEMITIC AND BIBLICAL CLUB, composed of the instructors, the students who are studying for a degree, and others who are interested in the work, holds stated semi-monthly meetings at which papers on subjects of interest to Biblical students are presented and discussed.

#### IV. CLASSICAL AND INDO-IRANIAN PHILOLOGY

TRACY PECK, M.A.	HENRY P. WRIGHT, Ph.D., LL.D.
BERNADOTTE PERRIN, Ph.D., LL.D.	THOMAS D. SEYMOUR, LL.D.
EDWARD P. MORRIS, M.A.	HENRY R. LANG, Ph.D.
THOMAS D. GOODELL, Ph.D.	E. WASHBURN HOPKINS, Ph.D.
HORATIO M. REYNOLDS, M.A.	CORNELIUS L. KITCHEL, M.A.
JAMES J. ROBINSON, Ph.D.	HANNS OERTEL, Ph.D.
CECIL K. BANCROFT, B.A.	CHARLES S. INGHAM, Ph.D.
JAMES W. D. INGERSOLL, Ph.D.	ARTHUR L. WHEELER, Ph.D.
T. WOOLSEY HEERMANCE, Ph.D.	SHERWOOD O. DICKERMAN, B.A.

#### GREEK

Professor PERRIN :—

\*1 *Aristophanes, Thucydides, and Plutarch as Sources for Greek History.* 2 hrs.

[See Course 130, page 87.]



- \*2 *Outline Survey of Ancient History.* 1 hr.  
[See Course 49, page 70.]

Professor SEYMOUR :—

- 3 *Epic Poetry.* 3 hrs.  
Introduction to the critical study of Homer. Lectures on the history of Homeric study, Epic poetry, the composition and transmission of the poems, life in the Homeric times in its various aspects; Homeric language and verse. Followed by a familiar but critical interpretation (and exercises in interpretation and criticism) of portions of the *Odyssey*, and of the later Greek epics.  
[Omitted in 1899-1900.]
- 4 *Pindar and Bacchylides.* 2 hrs.  
The odes of Pindar and Bacchylides are studied with specially qualified students, with exercises in the critical treatment and interpretation of the text, as a Greek *seminary* course.  
[Omitted in 1899-1900.]
- 5 *The Greek Orators.* 3 hrs.  
A study of Greek Oratory, beginning with the orations of Isaeus, and including some of the private orations of Demosthenes, with reference to Athenian life and law, as well as to the development of Attic eloquence.  
[Omitted in 1899-1900.]
- 6 *Aeschylus.* 3 hrs.  
The extant plays of Aeschylus are read. The instructor interprets the *Prometheus* and parts of other plays. The members of the class later interpret in turn.  
[Monday and Thursday, 8.30 to 10 A. M.]
- 7 *Plato.* 3 hrs.  
The *Republic*, and the portions of the other dialogues which are most important for its elucidation.  
[Wednesday, 4.30 to 6 P. M., and Friday, 3.30 to 5 P. M.]
- \*8 *Greek Testament.* 1 hr.  
[See Course 129, page 87.]
- 9 *History and Encyclopaedia of Greek Studies.* 1 hr. 1st half year.  
Fifteen familiar lectures, with special attention to bibliography.

\*10 *Plato and Aristotle.*

2 hrs.

[See Course 126, page 86.]

## Professor GOODELL :—

11 *Rhythmic and Metric.*

2 hrs.

An introduction to the subject, about equally divided between lectures and practice in reading. Examples will be so selected from various authors that this course may supplement those in the Greek poets and in Horace and Catullus.

[Wednesday and Friday, 9.30 A. M., 15 Phelps Hall.]

12 *Sophocles.*

3 hrs.

Reading of the seven extant plays with special attention to the artistic form, including the poet's literary style, treatment of the myths, management of the action, use of meters, and the like.

[Omitted in 1899-1900.]

## Professors REYNOLDS and OERTEL :—

13 *Greek Inscriptions.*

3 hrs.

a. *Attic Inscriptions*, with reference to the history of the alphabet, grammatical peculiarities, formulae, and historical content. The student is familiarized with the reading of inscriptions in their original form (by means of paper squeezes).

b. *Greek Dialect Inscriptions*. The more important dialect inscriptions are read together with a brief sketch of the phonology of each dialect. Cauer's *Delectus Inscriptionum Graccarum* is used as a text-book.

[Omitted in 1899-1900.]

## Professor REYNOLDS :—

14 *Aristotle's Poetics. Literary Criticism in Ancient Times.*

1 hr.

Interpretation of the *Poetics* and parts of the *Rhetoric*, with selections from Plutarch, Pseudo-Longinus, and Lucian.

[Thursday, 10 A. M.]

15 *Late Greek Poetry.*

1 hr.

This course includes a survey of Alexandrian and later Greek poetry. Reading of the mimes of Herondas, with selections from the Anthology, and from the hymns of Callimachus, and other fugitive poetry.

[Omitted in 1899-1900.]

- \*16 *Euripides.* 2 hrs.  
[See Course 135, page 88.]

- \*17 *Lucian.* 2 hrs.  
[See Course 134, page 87.]

Mr. KITCHEL :—

- \*18 *The Sicilian Invasion.* 2 hrs.  
[See Course 136, page 88.]

- \*19 *The Choephori of Aeschylus, the Electra of Sophocles, and the Electra of Euripides.* 2 hrs.  
[See Course 137, page 88.]

Dr. HEERMANCE :—

- 21 *Greek Archaeology.* 2 hrs.

a. The prehistoric finds in the Aegean basin will be studied in the original publications and the results combined to obtain a picture of the Mycenæan civilization.

b. An outline of the history of Greek sculpture from its beginnings down to the Roman period will be given in informal lectures. Considerable reading will be assigned and the student will be referred constantly to the ancient literary sources for the subject, both Greek and Latin, and will be aided in acquainting himself with as large a number of existing works of sculpture as possible, through various forms of reproduction.

c. As supplementary to the foregoing, there will be discussed in summary fashion the following branches of Greek archaeology: architecture, painting, ceramics, terra-cottas, bronzes, and coins.

[Monday, 5 P. M., and Friday, 10.30 A. M.]

Mr. DICKERMAN :—

- 21a *Modern Greek.* 1 hr.

A practical introduction to the subject, using A. Thumb's *Handbuch der neugriechischen Volkssprache* as outline, with some reference to other manuals. Particular attention will be given to the colloquial language.

## LATIN

Professor PECK :—

- 22 *Lucretius*. 2 hrs.  
[Saturday, 9.30 to 11.30 A. M., 21 Phelps Hall.]
- 23 *Early Latin*. 1 hr.  
[Wednesday, 9.30 A. M., 21 Phelps Hall.]
- \*24 *The Letters of Pliny and Cicero*. 2 hrs.  
[See Course 140, page 89.]
- \*25 *Hexameter Poetry*. 2 hrs.  
[See Course 141, page 89.]
- \*26 *Roman Archaeology*. 1 hr.  
[See Course 143, page 90.]
- 27 *Cicero (Brutus), Quintilian (x and xii), and Tacitus (Dialogus)*. 2 hrs.  
[Omitted in 1899-1900.]
- 28 *Tacitus (Annals, i-vi) and Suetonius (Augustus and Tiberius)*. 2 hrs.  
[Omitted in 1899-1900.]
- 29 *Latin Philology*. 2 hrs.  
[Omitted in 1899-1900.]

Professors H. P. WRIGHT and INGERSOLL :—

- \*30 *Latin Lyric Poetry*. 2 hrs.  
[See Course 147, page 90.]
- \*31 *Latin Satire and Comedy*. 2 hrs.  
[Omitted in 1899-1900.]

Professor MORRIS.

- 32 *Plautus*. 1 hr.  
Lectures introductory to the study of Plautus, dealing with his life, the presentation of the plays, the history of the text, the history of Plautine criticism, the language, and the meters.  
[Omitted in 1899-1900.]
- 33 *Plautus*. 2 hrs.  
Critical study of a single play ; probably the *Bacchides*.

34 *Historical Syntax.* 2 hrs.

Lectures on the history of work in Latin Syntax during this century and on the principles and methods of the historical investigation of the modes and tenses; discussion of text-books and of a few typical specimens of work in this field; a partial outline of the syntax of the modes and tenses from the historical point of view.

The lectures are followed by a study of the *qui* clause, the material for which is collected by the students who take the course.

[Omitted in 1899-1900.]

\*35 *Vergil.* 2 hrs.

[See Course 149, page 91.]

\*36 *Cicero.* 2 hrs.

[See Course 150, page 91.]

## Professor LANG.

37 *Low Latin.* 1 hr.

The aim of this course, which extends over two years, is to give an historical account of the popular speech of Rome and of the Roman provinces, and also an outline of its grammar and syntax, as it is disclosed to us by classical Latin, the testimony of the Latin grammarians, inscriptions, mediæval documents, and the consensus of the Romance languages.

The first year's course is taken up with lectures on the history and the grammar of Low Latin and the reading of a Low Latin text. For the present the following is used: J. F. Gamurrini, *S. Silviae Aquitanæ Peregrinatio ad Loca Sancta*. Editio altera. Romæ, 1888. Students should come provided with E. Gorra's *Lingue neolatine* (Milano, Hoepli, 1894).

[Wednesday, 10.30 A. M.]

38 *Low Latin* (second year). 1 hr.

The second year's course is taken up with the interpretation of Low Latin texts by the student and the study of special subjects assigned by the instructor.

[Omitted in 1899-1900.]

## Dr. ROBINSON :—

39 *Roman Law.* 1 hr.

A course intended to give to graduate students and prospective teachers of Latin a general survey of this department of Roman thought.

The work, conducted chiefly by lectures, covers the history of Roman law, bibliography, sources, law-making powers, and the investigation of those legal institutions which aid in understanding the life and literature of the Roman people.

Extracts from Latin law-writers are read rapidly for the subject matter and to gain an acquaintance with the legal style.

[Thursday, 10.30.]

\*40 *Roman Law.*

2 hrs.

[See Course 151, page 91.]

Assistant Professor OERTEL :—

41 *The Italic Dialects* (first year).

1 hr.

After a brief survey of the peoples and languages of ancient Italy, the more important Oscan and Sabellic inscriptions are read and interpreted. Students provide themselves with v. Planta's *Grammatik der oskisch-umbrischen Dialekte*, 2 vols.

42 *The Italic Dialects* (second year).

1 hr.

Reading and interpretation of the more important Umbrian inscriptions, followed by a brief systematic exposition of Oscan and Umbrian Phonology and Morphology.

43 *Practice in the Writing of Latin Prose.*

2 hrs.

This course is intended for advanced students in Latin, and should be taken only by those who have taken course 48 in Latin Composition, or its equivalent. Students provide themselves with H. Menge's *Repetitorium der lat. Syntax u. Stilistik*, 7th ed., 1890, and his *Kurzgefasste lateinische. Synonymik*, 3d ed.

Mr. BANCROFT :—

\*44 *Terence and Ovid.*

2 hrs.

[See Course 156, page 93.]

Assistant Professor INGERSOLL :—

45 *Latin Comedy.*

1 hr.

About a dozen plays of Plautus, two or three of Terence, and the principal fragments from other writers of Latin Comedy. A reading course, intended to supplement the critical work on Plautus in other courses.

[Omitted in 1899-1900.]

46 *Latin Tragedy.* 1 hr.

The extant plays and fragments. History of Latin Tragedy.  
[Omitted in 1899-1900.]

\*47 *Latin Literature.* 2 hrs.  
[See Course 157, page 93.]

Dr. A. L. WHEELER :—

\*48 *Latin Composition.* 1 hr.  
[See Course 158, page 93.]

\*49 *Latin Elegy.* 2 hrs.  
[See Course 159, page 93.]

Dr. INGHAM :—

\*50 *Roman History from Tiberius to Trajan.* 2 hrs.  
[See Course 160, page 94.]

For a course in Latin sounds and forms, see course 57.

# INDO-IRANIAN PHILOLOGY AND LINGUISTICS

Professor HOPKINS :—

51 *Elementary Sanskrit.* 2 hrs.

Instruction in Sanskrit, beginning with Whitney's *Sanskrit Grammar*, and passing on to Lanman's *Reader*.

The elementary course in Sanskrit is designed especially for classical students, but it may be taken with profit by students of German or English, especially by those who intend to become teachers, and it is indispensable for those who pursue studies in the Comparative Grammar of Greek and Latin. The course is continued through the year, the first term being devoted mainly to the grammar, the second to interpretation. By the end of the year the student will have read portions of the classical and Vedic selections in Lanman's reader, and be fitted to pursue the work of the advanced course in the following year. On the other hand he will have attained such familiar acquaintance with Sanskrit grammatical forms and syntactical structure, as greatly to aid his comprehension of parallel phenomena in other Aryan languages.

[Tuesday and Thursday, 3 P. M.]

52 *Advanced Sanskrit.*

2 hrs.

Selections from the Rig-Veda and Brahmanic texts.

This course is intended for those that have already had at least one year's instruction in Sanskrit. It is addressed particularly to students of literature, social institutions, and religion. The first half of the year will be occupied with reading selections from the Vedic Hymns, which are not only a priceless heirloom of early religious thought, but also a mine of information in regard to early institutions. The special topic of the second term's reading will be the philosophical portions of the first Brahmanic works and Upanishads, the earliest Aryan prose.

[Tuesday and Thursday, 4 P. M.]

53 *History of Sanskrit Literature.*

2 hrs.

This course consists in a review of Vedic and classical Sanskrit literature from the earliest times to the Puranic period, with extracts read by the instructor to illustrate the various phases of literary development. It is not absolutely necessary that the student should be able to read Sanskrit, since the illustrations are presented in translation; thus those who desire a general knowledge of Sanskrit literature can follow the lectures. But as it is expected that those who take this course will ordinarily have some knowledge of Sanskrit, the translation is made with reference to these students especially, and they are provided as far as possible with the original texts, as read from day to day. In this way this course forms also a reading-exercise parallel to that in Advanced Sanskrit.

[Omitted in 1899-1900.]

54 *Introduction to Comparative Syntax.*

1 hr.

This course consists in an analysis of the syntactical facts presented by the Aryan languages, particularly Sanskrit, Greek, Latin, and early German. It is intended especially for students of these languages who desire a more thorough acquaintance with the problems of comparative syntax. To solve these problems a knowledge, if not of the Sanskrit language, at least of Sanskrit syntactical phenomena is necessary, and the lectures are accordingly planned with a view to explain these phenomena to those who have not studied Sanskrit as well as to those who have done so.

[Wednesday, 3 P. M.]



55 *Avestan Language and Literature.* 1 hr.

Intended for those who desire to begin the study of Zoroaster's scriptures, the so-called Zend-Avesta. Avestan, or Zend, is easy for advanced Sanskrit students, and besides offering much of interest in respect of literature and religion, is also valuable to students of linguistics and syntax.

[Omitted in 1899-1900.]

Assistant Professor OERTEL :—

56 *Linguistics.* 2 hrs.

An introduction to the scientific study of language, intended for students of the classics as well as for those of the modern languages. The course deals with the general principles and chief problems of linguistic science, such as the methods of philological investigation, the manner and causes of phonetic and semantic changes, theories regarding the origin of language, the relation of philology to kindred sciences, etc. Much stress is laid on the psychological aspect of linguistic phenomena. Paul's *Prinzipien der Sprachgeschichte*, 3d ed. (an Engl. translation of the same German book was published, but is now out of print) is read and critically examined. The course consists of lectures, but requires some outside collateral reading.

57 *Phonetics.* 1 hr.

An introduction to general Phonetics on the basis of Sievers's *Grundzüge der Phonetik*, and its application to the English, German, and Latin sound-systems. Sweet's *Primer of Phonetics*, Laura Soames's *Introduction to Phonetics*, Viëtor's *Elemente der Phonetik und Orthoëpie des Deutschen, Englischen u. Französischen*, O. Bremer's *Deutsche Phonetik*, and Seelmann's *Die Aussprache des Latein*, are chiefly used, and private reading in these is required. The course is intended to furnish a basis for the study of the phonology of the various languages.

58 *Latin Grammar.* 2 hrs.

A resumé of the chief results of the modern comparative treatment of Latin sounds and inflections, with constant reference to the other Italic dialects. Lindsay's *Latin Language*, 1894, should be in the hands of the students, and considerable collateral reading in Henry's *Short Comparative Grammar of Greek and Latin*, Bechtel's *Hauptprobleme der indogermanischen Lautlehre*, and Brugmann's *Griechische Grammatik*, 2d ed. (in Iwan Müller's *Handbuch*), is required. Some knowledge of Sanskrit is very desirable for this course.

For courses in Greek Philosophy, see courses I, 22-25.

Graduate students of this University, with the approval of the classical instructors, are admitted to the free enjoyment of the privileges of the American School of Classical Studies at Athens.

#### THE CLASSICAL CLUB

The Phelps Memorial Building is assigned to the use of the Classical Department of the University. In addition to twelve ordinary class-rooms, three seminary rooms, and offices for instructors, it contains a large apartment for the library and reading-room of the Classical Club. This room is the headquarters of advanced students in classical philology, and furnishes to them the advantages of a good private library. It already contains more than twenty-five hundred volumes of texts, commentaries, works on antiquities, etc., as a departmental library. The books most needed for the immediate work in the classical courses for the present year are to be found there. The recent gift to the University Library of the important library of Ernst Curtius, the distinguished archaeologist and historian, not only added to the philological and archaeological wealth of the main library, but also supplied 700 volumes (many of which are rare and expensive) for the immediate use of the Classical Club. The Club meets every Saturday and spends that evening in reading and discussing the work of some classic author, with reports and papers in the field of Greek and Latin Philology. During the year 1899-1900 the works of Catullus, Tibullus, and Propertius and the minor works of Xenophon are studied.

## V. MODERN LANGUAGES AND LITERATURES

THOMAS R. LOUNSBURY, L.H.D., LL.D.	HENRY A. BEERS, M.A.
ALBERT S. COOK, Ph.D., L.H.D.	HENRY R. LANG, Ph.D.
ARTHUR H. PALMER, M.A.	GUSTAV GRUENER, Ph.D.
CHARLTON M. LEWIS, Ph.D.	ROBERT N. CORWIN, Ph.D.
WILLIAM HENRY BISHOP, B.A.	ROBERT L. SANDERSON,
WILBUR L. CROSS, Ph.D.	WILLIAM L. PHELPS, Ph.D.
ROBERT L. TAYLOR, B.A.	RICHARD T. HOLBROOK, B.A.
EDWARD B. REED, Ph.D.	MEYER WOLODARSKY, Ph.D.

## ROMANCE LANGUAGES

Professor LANG :—

- 1 *Old French.* 2 hrs.  
Introduction to the study of Old French language and literature in general, followed by a more especial study of Anglo-Norman.  
[Monday and Thursday, 8.30 A. M., K, O.]
- 2 *Old French. (2d year.)* 1 hr.  
A continuation of the preceding course, consisting in the investigation of special subjects assigned to the students.  
[Omitted in 1899-1900.]

Mr. SANDERSON :—

- 3 *French Literature of the xvith Century.* 2 hrs.  
[Omitted in 1899-1900.]
- \*4 *Systematic Readings in the French Literature of the xviith Century.* 2 hrs.  
[See Course 73, page 73.]
- 5 *French Literature of the xviiiith Century.* 2 hrs.  
[See Course 78, page 75.]
- \*6 *French Literature of the xixth Century.* 3 hrs.  
[See Course 75, page 74.]
- \*7 *Practice in writing and speaking French.* 2 hrs.  
[See Course 72, page 73.]

## Professor LANG.

- 10 *Provençal Language and Literature.* 2 hrs.

This course begins with lectures on the historical grammar of old Provençal, after which the origin and growth of Provençal lyric poetry, its style and metre, are studied in connection with the reading of selections from the works of the Troubadours. Students will come provided with Appel's *Provenzalische Chrestomathie* (Leipzig, 1895), and Restori's *Histoire de la littérature provençale* (Montpellier, 1894).

[Friday, 10.30-12.30.]

- 11 *Provençal (second year).* 1 hr.

The second year's course is taken up with the interpretation of Provençal texts by the student and the study of special subjects, both literary and grammatical, assigned by the instructor.

[Tuesday, 10.30 A. M.]

- 12 *The Beginnings of Spanish Literature.* 1 hr.

This course comprises a study of the early literature of Castile previous to the xvth century, and its relations with the literatures of France and Italy. Gorra's *Lingua e letteratura spagnuola delle origini* is used as introduction to the work.

[Omitted in 1899-1900.]

- \*13 *Dante's Life and Works.* 1 hr.

[Wednesday, 8.30 A. M.]

[See Course 86, page 76.]

- 14 *Petrarch.* 1 hr.

[See Course 89, page 76.]

- \*15 *Spanish (Elementary Course).* 3 hrs.

[See Course 80, page 75.]

- \*16 *Spanish Drama of the xvth and xviith Centuries.* 2 hrs.

[See Course 81, page 75.]

- \*17 *Spanish Fiction of the xvth and xviith Centuries.* 2 hrs.

[See Course 82, page 75.]

## Mr. BISHOP :—

- \*17a *Spanish* 2 hrs.

[See Spanish, page 181.]

Mr. HOLBROOK :—

- \*18 *Italian (Elementary Course).* 3 hrs.  
[See Course 85, page 76.]

#### GERMANIC LANGUAGES

Professor PALMER :—

- 19 *Introduction to Germanic Philology.* 2 hrs.  
A course introductory to the general study of Germanic philology, dealing with its history, methods, fields, and fundamental facts. The basis of the work will be Paul's *Grundriss der Germanischen Philologie*, of which portions will be read, discussed, and supplemented by informal lectures.  
[Omitted in 1899-1900.]
- 20 *Gothic.* 2 hrs.  
An introductory course, especially for those who intend to study German or English historically, in the study of Gothic and its phonological relations to both earlier Indo-Germanic and to later Germanic languages. Braune's *Gotische Grammatik*, and Streitberg's *Gotisches Elementarbuch* or Wright's *Gothic Language Primer*, Heyne's *Ulfilas*, Streitberg's *Urgermanische Grammatik*, and Henry's *Comparative Grammar of English and German*.
- 21 *Old High German and Old Saxon.* 3 hrs.  
A rather detailed course in the oldest German dialects and literature. Braune's *Althochdeutsche Grammatik* and *Althochdeutsches Lesebuch*, Gallée's *Altsächsische Grammatik*, Behaghel's *Heliand*.
- 22 *Old Norse (Icelandic).* 3 hrs.  
Grammar, and reading in the Sagas and the Elder Edda.  
[Omitted in 1899-1900.]
- \*23 *Scientific German.* 2 hrs.  
[See Course 94, page 78.]
- \*30 *Goethe, Works and Life.* 3 hrs.  
[See Course 96, page 78.]
- \*24 *Lyrics and Ballads.* 2 hrs.  
[See Course 97, page 79.]

- \*25 *History of German Literature, 1624-1832.* 2 hrs.  
[See Course 98, page 79.]

Professor GRUENER :—

- 26 *Middle High German.* 3 hrs.

Hartmann: *Der arme Heinrich* and *Iwein*. *Nibelungenlied*.  
Selected poems of Walther von der Vogelweide. Selections  
from Wolfram von Eschenbach's *Parzival*. Lectures and  
papers.

[Omitted in 1899-1900.]

- 27 *German Literature of the Reformation Period*  
(1500-1624). 3 hrs.

The development of German literature is studied from the  
beginning of the Reformation to the time of Opitz. Character-  
istic works of the important writers of the period are  
read chiefly for literary purposes, though also with reference  
to the political, social, and religious conditions of the times.

[Omitted in 1899-1900.]

- \*28 *Schiller, Works and Life.* 2 hrs.

[See Course 91, page 77.]

- \*29 *Prose of Modern German Historians and Critics.* 2 hrs.

[See Course 92, page 77.]

Professor CORWIN :—

- 31 *German Literary Criticism.* 1 hr.

A course of study in the development of the theories of poetry  
and the principles of literary criticism in Germany. The course  
consists of lectures, discussions, and readings based on the  
critical writings of Lessing, Herder, Schiller, Goethe, Schlegel,  
and Freytag.

[Friday, 2 P. M., 117 N.]

Professor PALMER :—

- 32 *Swedish.* 2 hrs.

The object of this course is to lay the foundation for a reading  
and practical knowledge of the language. Together with the  
study of the grammar, selections are read from modern authors.

## RUSSIAN

Dr. WOŁODARSKY.

33 *Elementary Russian.*

The first term will be given to the study of the elements of the language in connection with the reading of short stories by modern writers.

The second term will be given to the study of syntax in connection with the reading of one of Turgenev's works.

34 *Advanced Russian.*

A general course in Russian Literature in connection with the reading of a historical chrestomathy and with sight-reading in "On the Eve," by Turgenev and in "Master and Man" by Tolstoi.

## ENGLISH

Professor LOUNSBURY :—

36 *The Early Victorian Era : Tennyson and his Contemporaries.* 2 hrs.

Professor COOK :—

The strictly graduate courses offered below are given according to circumstances and the needs of the graduate students actually in attendance; and special attention is given to the supervision of individual research in any part of the general field.

38 *Encyclopædia and Methodology of English.* 2 hrs.

This course is designed to acquaint the student with the more important branches of scholarship relative to the English language and literature, with a few of the representative books in each, and with the scope and method of research in this department.

[Wednesday, 4 P. M.]

39 *Theories of Poetry.* 2 hrs.

A course in the theories of poetry in general, and in the principles of criticism applicable to its various departments, as the epic, dramatic, and lyric. Discussions and papers on the basis of standard works, such as Aristotle's *Poetics*, Sidney's *Defense of Poesy*, Woodbridge's *The Drama*, Boileau's *Art of Poetry*,

Lessing's *Laokoon*, and others of similar character. Reading of masterpieces to illustrate and extend the principles derived from theoretic works.

[Wednesday, 3 P. M.]

40 *General Course in Literature.*

Readings and informal comments by the instructor, with outlines of courses to be followed as a basis for examination. The selections will not be limited to English literature.

41 *Advanced Old and Middle English.* 2 hrs.

A survey of the subject for those who are not yet prepared for minuter specialization.

[Monday, 9.30 A. M.; Thursday, 11.30 A. M.]

42 *Seminary in Literature.* 3 hrs.

A critical study of some representative writer or department of literature. In 1894-95, Ben Jonson was the author selected; in 1895-96, Browning; in 1896-97, Chaucer; in 1897-98, the Jacobean Drama; in 1898-99, Spenser; in 1899-1900, Chaucer.

[Alternate Mondays at 7 P. M.]

43 *Historical English Prosody.*

Schipper's *Englische Metrik* is adopted as the basis of study, but reference is made to other authorities.

\*44 *Old and Middle English.* 2 hrs.

[See Course 109, page 81.]

Assistant Professor CROSS :—

45 *English Prose Fiction.* 2 hrs.

The aim of this course is to present in outline the development of the English novel. Twenty-five or more prose fictions will be taken up in their logical order, and discussed in their relation to one another and the fiction of their time, both English and Continental. Among the books selected for 1899-1900 are the *Morte Darthur*, the *Arcadia*, *Clarissa Harlowe*, *Tom Jones*, *Mansfield Park*, *Waverley*, *Martin Chuzzlewit*, *Vanity Fair*, and *Adam Bede*.

[Tuesday and Thursday, 2 P. M.]

Assistant Professor PHELPS :—

\*46 *Elizabethan Drama.* 2 hrs.

[See Course 112, page 82.]



47 *Elizabethan Literature.* 2 hrs.

Studies in the poetry and prose of the Elizabethan period, exclusive of the drama. Wyatt, Surrey, Ascham, Foxe, Painter, Lyly, Raleigh, Greene, Nash, Lodge, Marlowe, Hooker, Sidney, Spenser, Shakespeare, Davies, Drayton, Chapman, and others. Lectures, discussions, and preparation of special papers by members of the class.

[Omitted 1899-1900.]

\*48 *Tennyson and Browning.* 2 hrs.

[See Course 120, page 84.]

Professor LEWIS :—

\*49 *The English Renaissance.* 1 hr.

[See Course 111, page 82.]

Dr. REED.

\*50 *English Lyrical Poetry.* 2 hrs.

[See Course 122, page 85.]

THE MODERN LANGUAGE CLUB, formed of instructors and students in the departments of English, Romance Languages, and German, holds its regular meetings on the second Saturday evening of each month for the reading and discussion of original papers, and for reports of progress in the field of these studies.

THE ENGLISH CLUB, to which are invited all persons, whether members of the University or not, who are interested in the study or teaching of the English language or literature, meets on alternate Monday evenings to listen to the presentation of some topic, and engage in the informal discussion of it. The club never remains in session over an hour, and thus opportunity is afforded for keeping other engagements the same evening.

THE ENGLISH SEMINARY ROOM, at 135 Elm st., which has lately been enlarged for the better accommodation of graduate students in English, contains the nucleus of a working library. This room is general headquarters for the graduate students in English, and serves for the meetings of the English Club, and for similar purposes.

## VI. NATURAL AND PHYSICAL SCIENCE

WILLIAM H. BREWER, Ph.D.	SIDNEY I. SMITH, M.A.
ARTHUR W. WRIGHT, Ph.D.	HENRY S. WILLIAMS, Ph.D.
ADDISON E. VERRILL, M.A.	CHARLES S. HASTINGS, Ph.D.
WILLIAM G. MIXTER, M.A.	RUSSELL H. CHITTENDEN, Ph.D.
EDWARD S. DANA, Ph.D.	HORACE L. WELLS, M.A.
FRANK A. GOOCH, Ph.D.	LOUIS V. PIRSSON, Ph.B.
SAMUEL L. PENFIELD, M.A.	ALEXANDER W. EVANS, M.D., Ph.D.
CHARLES E. BEECHER, Ph.D.	PHILIP E. BROWNING, Ph.D.
WILLIAM J. COMSTOCK, Ph.B.	LAFAYETTE B. MENDEL, Ph.D.
HENRY L. WHEELER, Ph.D.	BERTRAM B. BOLTWOOD, Ph.D.
JAMES LOCKE, Ph.D.	GEORGE GRANT MACCURDY, M.A.
WESLEY R. COE, Ph.D.	ISAAC K. PHELPS, Ph.D.
HERBERT E. GREGORY, Ph.D.	

## MINERALOGY

Professor DANA :—

1 *Mineralogy and Crystallography.* 2 hrs.

Practical study of mineral species by means of blowpipe analysis and other methods; also mathematical study of the forms of crystals. Additional opportunity is given to those who desire it to gain facility in the determination of minerals.

This course can be most advantageously prosecuted by those who have some knowledge of chemistry.

[Saturday, 9.30-11.20 A. M.]

Professor PENFIELD :—

2 *Determinative Mineralogy.* 3 hrs.

This course consists at first of a few exercises in blowpipe analysis, which are then followed by an application of these methods to the determination of minerals. Students have abundant opportunity to experiment with minerals, and thus become familiar with their chemical and physical properties. A labeled collection of carefully selected specimens for comparison, and unlabeled collections for identification, are at all times accessible. The laboratory is open daily from 9-1 and, Saturdays excepted, from 2.30-5, so that by devoting more than the allotted time to the subject the course may be considerably extended.

[Wednesday, 2.30-5.30 P. M., or Saturday, 9.15 A. M.-12 M.]

3 *Crystallography* 2 hrs. 1st half of 2d term.

Lectures in which the symmetry relations of the various systems, and the forms of crystals and their physical properties are discussed. Throughout this course collections of natural crystals and wooden and glass models are used for demonstrating varieties of form and development.

[Monday and Tuesday, 3-4 P. M.]

4a *Descriptive Mineralogy.* 3 hrs. 2d half of 2d term.

Lectures on the general subject of mineralogy, in which the classification, physical and chemical properties, occurrences, associations, and uses of minerals are discussed. The course is illustrated by the valuable and extensive Brush Collection.

[Monday and Tuesday, 3-4 P. M., and Saturday, 9.15-10.15 A. M.]

4b *Descriptive Mineralogy (Advanced Course.)*

1 hr. 1st and 2d terms.

This course is open to those who have had courses 3 and 4a. Specimens in the Brush Collection are examined, and special prominence is given to the discussion of the economic and geological relations of minerals.

5 *Experimental Work in Crystallography and Mineralogy.*

Daily.

The reflecting goniometer is used, the mathematical relations of crystal forms are carefully determined and calculated, and the forms are drawn. The optical properties of crystals are studied and determined by means of the polariscope, polarizing microscope, refractometer, total reflectometer, and other appliances.

6 *Original Investigation in Mineralogy and Crystallography.*

Opportunities are offered to those who are far enough advanced, for research work in mineralogy and crystallography. This includes the study of the chemical composition and deduction of the formulae of minerals, together with the determination of their physical, optical, and crystallographic properties.

Material for investigation is available from the University and Brush Collections.

## GEOLOGY

Professor WILLIAMS :—

\*7 *Geology.*

2 hrs.

[See Course 220, page 102.]

8 *Geological Biology.*

The study of fossils in the laboratory, and with field-work so far as practicable, (1) as means of determining and classifying geological formations, (2) as evidence of the relations of organisms to their environment, and of their evolution in the past.

For this course some knowledge of zoology is desirable; and for those who wish to take the course, and are not sufficiently well prepared in this direction, preliminary work in the zoology of living forms is planned.

Instruction is given also by informal lectures and the assignment of courses of reading of geological literature bearing upon the problems under investigation.

The number of hours and the specific line of study are arranged by the instructor upon consultation in each case.

Professor PIRSSON :—

10 *Petrology.*

Daily, 9 A. M. to 1 P. M.

(a) Study and determination of the rock-making minerals by optical and chemical methods. Includes the use of the petrological microscope.

(b) History, origin, and classification of rocks, commencing with igneous types and passing into the crystalline schists, during which metasomatic and dynamic changes, including effects of dynamo-metamorphism, are taken up. The work is carried on mostly in the laboratory, with access to collections both of rocks and thin sections.

(c) Original investigation. In sequence to (a) and (b) some special object or locality may be made the subject of investigation. The work requires laboratory methods of determination, both chemical and microscopical, with consultation of the literature and occasionally work in the field. A large amount of material is available in the petrologic collections of the Sheffield Scientific School.

Only those whose previous training in mineralogy and geology has been sufficient to enable them to pursue the subject advantageously are admitted to this course.

- 11 *Elementary Petrology.* 1 hr. first half 2d term.

A series of lectures of an elementary nature, and without the use of the microscope, on the history, origin, and classification of rocks with especial reference to their geologic relations and economic properties. Illustrated by collections.

[Wednesday, 4 P. M.]

- \*12 *Elementary Structural and Dynamical Geology.*

3 hrs. first half-year.

[See Geology, page 169.]

Dr. GREGORY :—

- \*13 *Physical Geography.*

3 hrs. first half-year.

[See Course 235, page 103.]

For a course in Physical Geography in its relation to history, see Course II. 29.

#### PALEONTOLOGY

Professor BEECHER :—

- 15 *General Invertebrate Paleontology.* 2 hrs. 1st term.

An elementary course, including the careful study in the laboratory of characteristic genera representing the principal orders of fossil invertebrates.

- 16 *Invertebrate Paleontology (Faunal).*

The study of extinct faunas by means of collections of fossils from typical localities.

- 17 *Invertebrate Paleontology (Special).*

Systematic study of the structure, development, and affinities of one or more classes of fossil animals. In the laboratory work, attention is given to modern methods of preparation and preservation of specimens.

- 18 *Original Investigation in Invertebrate Paleontology.*

Following 15, 16, 17, opportunity is given to take up some special subject for investigation and the discovery of facts new to science.

The requisite material is available in the extensive collections of the Peabody Museum.

The work in these courses (15-18) necessitates the frequent consultation of memoirs and scientific reports, occasional field-work, the use of the microscope, the preparation of thin sections, and other methods employed in thorough investigations.

19 *Organic Evolution.* 1st half year.

Practical illustration of the methods used in modern researches.

20 *Taxogeny.* First half 2d term.

The principles governing the classification of organisms.

Courses 15-20 are open to those who have had some previous knowledge of geology and zoology. Course 15: laboratory work 4 hours per week. Courses 16, 17: laboratory work three days per week, 2-5 P. M. Courses 19 and 20 will require about two hours lecture and two hours in the laboratory each week. Other hours and divisions of work may be arranged to suit the convenience of students.

#### PREHISTORIC ARCHAEOLOGY

Mr. MACCURDY:—

21 *Prehistoric Anthropology.*

Courses of study will be arranged by the instructor upon consultation.

#### PHYSICS

Professor A. W. WRIGHT:—

22 *Physics.* 4 hrs. to count as 2 hrs.

Chiefly practical work in the Sloane Physical Laboratory, with measurements, especially in heat, light, electricity, and magnetism, each exercise occupying two hours. As introductory to the laboratory practice, the exercises during a portion of the first term consist of recitations or discussions upon the theory and methods of physical measurements, the use of instruments, and other special topics. Laboratory facilities are also freely accorded to students of the course at other times than those of the stated exercises.

23 *Physics (Advanced Course).* 4 hrs. to count as 2 hrs.

Practical work in the Sloane Physical Laboratory, with instruction in the principles and methods of physical investigation, the processes and instruments of measurement, and the methods of computing and reducing results of observations. Special attention is paid to practical measurements in optics, electricity, and magnetism. The student is expected to make original investigations an important part of his work, and has the free use of the laboratory facilities for carrying them on.

For those who have already pursued course 22 or its equivalent.

Professor HASTINGS :—

18 *Physics.* 3 hrs. lectures, 6 hrs. laboratory work.

Laboratory work, supplemented by lectures on the theory of observation with the method of least squares, and on the theory of electricity and electrical instruments. The use of the laboratory is at the command of the student at all times.

[Lectures on Wednesday, Friday, and Saturday, 12 M.]

For courses in Mathematical Physics, see VII. 3, 4 and 6.

THE PHYSICS JOURNAL CLUB, open to graduate students in Physics, meets weekly for the review and discussion of the current literature in this department of study.

THE PHYSICAL CLUB, organized for study, criticism and discussion, holds fortnightly meetings.

## CHEMISTRY

### (COURSES IN THE SHEFFIELD CHEMICAL LABORATORY)

The analytical laboratories of the Sheffield Scientific School are open to students in term time from 9 to 1 and from 2 to 5 o'clock, every week-day except Saturday. The greater part of the instruction is given in the laboratory to each student separately, but the various classes have, in addition, two or more lectures or recitations a week, in connection with the studies pursued in the laboratory.

Professor MIXTER :—

24 *Chemical Physics.*

Especially the methods employed in the determination of molecular masses and specific heat.

Professor WELLS :—

25 *Qualitative Analysis.* 1st term.

Embraces a study of the commonly occurring elements in their qualitative relations, and includes a systematic course of analysis for the same. A good knowledge of elementary chemistry is a necessary preparation for this. If desired the course is extended to include a study of many of the rare elements.

[Laboratory hours: Monday to Friday, 9 A. M. to 1 P. M., and 2 to 5 P. M. Lectures and Recitations: Monday and Tuesday, 5 P. M.,—occasionally at 12 M.]

26 *Quantitative Analysis.*

This is open only to those who have taken course 25 or its equivalent.

(a) *Gravimetric Analysis.* Second term. Embraces a series of exercises involving a considerable number of important methods.

(b) *Volumetric Analysis.* First term. This follows the gravimetric analysis. It includes the most important and typical methods.

(c) *Ultimate Organic Analysis.* First term.

*Inorganic Preparations.* 1st half of 2d term.

A course of laboratory work, with lectures or recitations. About twenty or thirty compounds are prepared, which give a variety of important and instructive processes.

27 *Advanced Quantitative Analysis.*

(a) *Metallurgical Chemistry.* The analysis of ores, fuels, fluxes, alloys, metals, and other furnace products.

(b) *Mineralogical Chemistry.* The analysis of minerals for scientific purposes.

Laboratory hours, every week-day (except Saturday) 9 A. M. to 1 P. M., and 2 to 5 P. M.

28 *Metallurgy and Assaying.* 2d half of 2d term.

A course of lectures on elementary metallurgy, followed by a short course of demonstrative lectures on gold and silver assaying, with the practical application of assaying to a few typical ores.



- 29 *Technical Gas-Analysis.* 2d half of 2d term.  
A short practical course, including the principal methods.

- 30 *Investigations in Inorganic Chemistry.*  
Opportunities are offered, to those who have had sufficient preparation, to make researches upon analytical methods, the preparation of chemical compounds, and other scientific problems.

Mr. COMSTOCK :—

- 31a *Elementary Organic Chemistry.* Both terms.  
During the first four weeks of the second term the afternoon exercises are omitted and daily laboratory work substituted, 9 A. M. to 1 P. M., with occasional lectures at 12 M.  
[Recitations supplemented by lectures, Thursday and Friday, 5 P. M.]

- 31b *Organic Chemistry.* 2 hrs. 1st term.  
A continuation of the above course. Recitations and lectures.  
[Thursday and Friday, 5 P. M.]

Dr. LOCKE :—

- 32a *The Systematization of Inorganic Compounds.* 1st term.  
[Lectures, Monday and Friday, 4 P. M.]

- \*32b *Advanced Inorganic Chemistry.* 3 hrs. 1st term.  
[See Chemistry, page 167.]

- 33 *The Application of the Ionic Theory to Analytical Chemistry.* 2 hrs. 1st half 2d term.  
Ostwald's *Foundations of Analytical Chemistry* will be followed.  
[Lectures, Monday and Friday, 4 P. M.]

- 34 *The Constitution of Chemical Compounds.* 2 hrs. 2d half 2d term.  
Methods of determination illustrated on typical compounds; stereochemistry; double compounds, etc.  
[Monday and Friday, 4 P. M.]

Assistant Professor H. L. WHEELER :—

- 35 *Advanced Organic Chemistry.*  
This offers an opportunity for more extended study and original investigation to those who have proper preparation.

- 36 *Organic Preparations.* 2nd half of 2d term.  
Laboratory-work, consisting of five exercises per week of about three hours each in the preparation of such compounds as will give familiarity with the most important synthetical methods.

Dr. BOLTWOOD :—

- 37 *Physical Chemistry.* 1st half of 2d term.  
A course of about twelve lectures on the theory of Physical Chemistry.  
[Monday, 5 P. M.]
- 38 *Physico-Chemical Measurements.* 2d term.  
Laboratory practice in the more important methods of Physical Chemistry.  
[Monday to Friday, inclusive, 9.30 A. M. to 1 P. M.]
- 39 *Electrochemistry.* 1st half of 2d term.  
A course of twelve lectures on the theory of Electro-Chemistry.  
[Friday, 5 P. M.]
- 40 *Electrochemistry.* 2d term.  
Experimental work in Electro-Chemistry, including the usual measurements, quantitative electro-analysis, and the synthesis of organic and inorganic compounds.  
[Monday to Friday, inclusive, 9.30 A. M. to 1 P. M.]

(COURSES IN THE KENT LABORATORY)

The Kent Laboratory is open daily from 9 A. M. to 1 P. M., and from 2 to 5 P. M., to students who take strictly graduate courses.

Professor GOOCH, Assistant Professor BROWNING, and  
Dr. PHELPS :—

- \*41 *Experimental Inorganic Chemistry.* 3 exercises—6 hrs.  
[See Course 210, page 101.]

Assistant Professor BROWNING :—

- \*42 *Qualitative Chemical Analysis.* 3 exercises—5 hrs.  
[See Course 211, page 101.]

Professor GOOCH and Dr. PHELPS :—

- \*43 *Elementary Organic Chemistry.* 2 exercises—4 hrs.  
[See Course 212, page 101.]

Dr. PHELPS :—

- 44 *Organic Synthesis.*

Laboratory practice in synthetical processes too long or too complicated to be included in the experimental work of course 43.

[Daily ; hours for consultation fixed by appointment.]

Professor GOOCH :—

- \*45 *Quantitative Analysis.* 2 exercises—6 hrs.  
[See Course 213, page 102.]

- 46 *Quantitative Chemical Analysis (second course).*

Practice in the more complex processes of gravimetric, volumetric, and electrolytic analysis.

[Daily ; hours for consultation fixed by appointment.]

- 47 *Chemical Theory.* 1 hr.

This course (given in alternate years) is devoted to the discussion of the general principles and modern theories of chemistry.

- 48 *Special Methods.*

Laboratory practice in special methods of analysis and research.

[Daily ; hours for consultation fixed by appointment.]

- 49 *Original Work and Research in Inorganic Chemistry.*

(a) Special problems of *analysis*—either experimental criticism of known processes or constructive work looking towards the development of new methods.

(b) The critical examination of reactions.

[Daily ; hours for consultation fixed by appointment.]

Assistant Professor BROWNING :—

- 50 *The Rare Elements.* 1 hr. both terms.

A short course of lectures covering the discovery, occurrence, and principal reactions of the elements not included in the general course. The methods in use for the qualitative and

quantitative determinations are carefully studied, and a systematic arrangement developed so far as practicable. Those who wish to do so may take laboratory work in connection with these lectures.

[Friday, 8.30 A. M.]

51 *Inorganic Preparations.* 1 hr. both terms.

A short course, mainly laboratory work, covering typical methods for the preparation of inorganic salts. Thorp's *Inorganic Preparations* will serve as guide.

THE CHEMICAL CLUB, composed of instructors, graduate students, and others interested in chemistry, holds fortnightly meetings for the presentation and discussion of papers and reviews of recent work.

#### BIOLOGY

Professor VERRILL :—

52 *Zoology.*

Laboratory practice, recitations, readings, and lectures. The laboratory work is varied according to circumstances, in order to accommodate, as far as possible, those students who wish to pursue special branches. Most of the time is devoted to comparative anatomy, morphology, and systematic zoology. Ample collections in the Peabody Museum, representing all classes of animals, are available for instruction, while the proximity to the sea makes it easy to provide fresh or living examples of most classes of marine animals for study and dissection.

Professor S. I. SMITH and Dr. COE :—

\*53 *Elementary Anatomy and Histology.* 4 hrs. 1st term.

[See Anatomy, page 168.]

\*54 *Comparative Anatomy and General Biology.* 6 hrs. 2d term.

[See Anatomy, page 168.]

55 - *Comparative Anatomy and General Biology.*

Graduate students who have had sufficient elementary training are received in the Sheffield Biological Laboratory, and are provided with special advanced courses of instruction adapted

as far as possible to the particular wants of the individual student. Such courses may cover either or both terms, and require at least three hours of laboratory work per day for two or more days each week. To such students the laboratory is open five days a week.

Professor CHITTENDEN and Assistant Professor MENDEL:—

56 *Physiological Chemistry.*

Graduate students who have sufficient knowledge of analytical and organic chemistry and elementary physiology are received in the Sheffield Biological Laboratory at the beginning of the academic year, where they can pursue a course in physiological chemistry extending throughout the entire year. The course necessitates, on an average, four hours of laboratory work each day, and attendance at lectures and recitations three or four times each week. Opportunities are afforded also for the carrying on of original investigations, and to students qualified for such work the laboratory is open during the entire day.

Students who are desirous of studying any special subject in physiological chemistry and have but a limited amount of time are received also, provided they are qualified by previous work to pursue the study advantageously.

[Monday to Friday, inclusive, 9 A. M. to 1 P. M.]

57 *Experimental Physiology.*

3 hrs.

Essentially a laboratory course intended to afford experimental acquaintance with certain departments of physiology, and giving particular reference to general physiological methods. The physiology of muscle and nerve, of the circulation, secretion, etc., is considered in some detail. Other departments are treated in a more elementary manner; a brief survey of the entire field is thus afforded, while certain topics are studied with sufficient thoroughness to give training in technique and appreciation of the aims and methods of research. Opportunity is also afforded for more advanced work in certain lines of experimental physiology.

[Saturday, 9 A. M. to 1 P. M.]

58 *Physiological Seminary.*

2 hrs. both terms.

A study of the recent advances in physiology and physiological chemistry is undertaken. Informal talks are given on the bearing which recent discoveries in physiology have on existing

views, and the students are required to prepare reports and reviews of work appearing in the current German, French, and English physiological literature.

[Wednesday, 4 to 6 P. M.]

Professor CHITTENDEN :—

59 *Experimental Toxicology.* 2d half 2d term.

A course of about twenty lectures, with demonstrations on the physiological action of the more important mineral and alkaloidal poisons. This course can be supplemented, if desired, by laboratory work on the chemical reactions of poisons, with a study of the methods of detecting and separating poisons.

[Tuesday, Thursday, and Saturday, 8.10 A. M.]

\*60 *Physiology.* 1 hr.

[See Course 240, page 104.]

\*61 *Physiological Chemistry.* 4 hrs. 2d term.

[See Physiological Chemistry, page 168.]

\*62 *Physiology of Nutrition.* 3 hrs. 1st half 2d term.

[See Physiological Chemistry, page 168.]

Dr. EVANS :—

\*63 *Botany.* 3 hrs. 2d half-year.

[See Course 235, page 103.]

64 *General Morphology of Plants.* 2 hrs.

Laboratory work and informal lectures. Beginning with the simplest forms, the various groups of plants are taken up in suitable types, and their structure, development, and mode of life, are studied and compared.

The course is limited to those who show a satisfactory knowledge of the botany of flowering plants.

[Wednesday and Friday, 3 P. M.]

Dr. COE :—

65 *Cytology and General Embryology.* 4 hrs. 1st term.

Laboratory work supplemented by lectures, on the animal cell in the principal phases of its activity, with special reference to maturation, fertilization, and cleavage of the ovum. The course will include the practical study of protoplasmic struc-

ture and movement, cell with resting nucleus, cell-division, spermary and spermatozoa, ovary and maturation of the ovum, fertilization, cleavage, and formation of primary layers of the embryo. Considerable attention is given to the technique of the subject.

In addition to the above, special courses may be arranged to meet the requirements of individual students, and such courses may include a study of the later stages of the development of the embryo, with special reference to the vertebrates.

## VII. MATHEMATICS

JOHN E. CLARK, M.A.	J. WILLARD GIBBS, Ph.D., LL.D.
CHARLES B. RICHARDS, M.A.	EUGENE L. RICHARDS, M.A.
A. JAY DUBOIS, Ph.D.	WILLIAM BEEBE, M.A.
ANDREW W. PHILLIPS, Ph.D.	SAMUEL E. BARNEY, C.E.
JAMES PIERPONT, Ph.D.	PERCY F. SMITH, Ph.D.
JACOB WESTLUND, Ph.D.	GEORGE P. STARKWEATHER, Ph.D.
MILTON B. PORTER, Ph.D.	WENDELL M. STRONG, Ph.D.
HERBERT E. HAWKES, B.A.	

### PURE MATHEMATICS

Professor CLARK :—

- 1a *Determinants and Theory of Equations.* 2 hrs. 1st term.  
[Wednesday and Saturday, 10.30 A. M.]
- 1b *Differential Equations.* 2 hrs. 2d term.

The short courses in the above subjects are designed especially for the graduate students in the departments of engineering in the Sheffield Scientific School, whose time is mainly occupied with work in those departments.

[Wednesday and Saturday, 10.30 A. M.]

Professor GIBBS :—

- 2a *Vector Analysis.* 3 hrs. 1st term.

Elementary course, in which the simpler problems of geometry, kinematics, and mechanics are treated by vector methods. The matter taught is not entirely unlike that usually given in courses in quaternions, but the method followed is in some respects nearer to Grassmann's than to Hamilton's.

[Monday, Thursday and Friday, 3 P. M.]

2b *Vector Analysis.* 3 hrs. 2d term.

Advanced course, including differentiation with respect to position in space, the theory of the potential and allied functions, and that of linear vector functions. Applications are made to hydrodynamics, to the motion of a rigid body, and to the theory of curvature. This course is especially designed as an introduction to the study of mathematical physics, and is open only to those who have taken the preceding.

3 *Electricity and Magnetism.* 1 hr.

In this course, which is based on Maxwell's theory, the student is taught the use of vector methods in this branch of physics.

4 *Thermodynamics and Properties of Matter.* 2 hrs.

This course is a development of the consequences of the two fundamental laws of thermodynamics, as affording a general theory of physical and chemical equilibrium, and as giving shape to the investigation of the sensible properties of matter.

In the year 1900-1901, in addition to the courses 2a and 2b in vector analysis, the following may be expected :

5 *Multiple Algebra.* 1 hr.

The object of this course is to give some idea of the methods and results of the principal non-arithmetical algebras, especially of the *Ausdehnungslehre* and the algebra of matrices. It is intended for such students as have already some familiarity with the algebra of vectors, derived from the preceding courses or from the study of quaternions.

[Omitted 1899-1900.]

6 *Electro-Magnetic Theory of Light.* 2 hrs.

This course commences with the general theory of harmonic motion and its representation by complex scalar and vector quantities. The laws of electrodynamics are then applied to the phenomena of the propagation of light in isotropic and aeolotropic media, and its reflection at a surface between two such media, including the case of an absorbent medium, and the dispersion of colors.

[Omitted 1899-1900.]



Professor BEEBE :—

9 *Computation of Orbits.* 2 hrs.

Development of formulae and numerical calculations for determining the parabolic orbit of a comet from three observations.

Computation of an ephemeris and reduction of observations for comparison with the ephemeris.

The course may be carried on through a second year to computation of elliptic orbits and the discussion of perturbations.

[Friday and Saturday, 10 A. M.]

Professor PIERPONT :—

10 *Differential Equations.* 3 hrs.

Treats for the most part the technique of differential equations without making use of the theory of functions and Lie's theory of transformation groups. It is therefore especially adapted to students of mathematical physics and of other branches of applied mathematics. It is intended to pass in review the equations in one and more independent variables of most frequent occurrence. Particular attention will be paid to the potential equation  $\Delta u = 0$  and to the equation defining the functions of Legendre, Laplace and Bessel.

Books of Reference: A. R. Forsyth, *Differential Equations*, London; Byerly, *Fourier's Series and Spherical Harmonics*; H. Laurent, *Traité d'Analyse*, vols. v and vi; Demartres, *Cours d'Analyse*.

11 *Elliptic Functions.* 2 hrs.

Both the functions of Jacobi and Weierstrass will be treated, and their relation to each other will be brought out. Especial attention will be given to important and interesting application to geometry and mathematical physics.

12 *Algebraic Numbers and Functions.* 2 hrs.

The work of Kronecker, Dedekind, Weber, Hilbert Hurwitz, Minkowski, and others will be taken up. Application will be made, among other things, to complex multiplication of the elliptic functions.

Dr. PORTER :—

12a *Algebraic Functions and their Integrals.* 2 hrs.

This course will deal with the more elementary theorems of the topics indicated from the geometric side, and will begin with a somewhat elaborate discussion of Rational Functions and conformal representation by means of such functions on the Riemann's surface. Finally the integrals associated with algebraic configurations of deficiency one will be studied and the more important properties of the Elliptic Functions will be discussed.

This course presupposes a good working knowledge of Analytical Geometry and the Differential and Integral Calculus.

Assistant Professor PERCY F. SMITH :—

13 *Theory of Transformations of Space.* 2 hrs.

The object of this course is not so much to give an exhaustive treatment of the subject as to induct the student, by easy stages and by means of pregnant examples increasing in complexity, into the domain of contact transformations in general. The concept, "group of transformations," will be kept in the foreground, and numerous cases of both finite and infinite continuous and discontinuous groups will be considered. Point-point transformations as well as those transformations of space by which a change of the space element is effected, e. g., the point-line transformation of Lie, will be taken up. In short, the work of the year is the geometric interpretation of equations in two sets of variables.

14 *Algebraic Curves and Surfaces.* 2 hrs.

This course forms a sequel to the usual undergraduate courses in Analytical Geometry. The general theory will first be developed and then illustrated by detailed study of curves and surfaces of the third and fourth orders. The large collection of models of these configurations in the possession of the University will be drawn upon for this. In this connection, a study will be made of the researches of Newton, Möbius, Plücker, Kummer, Klein, Zeuthen, Rohn, Hilbert and others, on the real shape of algebraic curves and surfaces. And in conclusion, the recent investigations on the classification of surfaces of higher orders will occupy the attention.

Dr. WESTLUND :—

15 *Calculus.* 3 hrs.

Topics are : differentiation of composed and implicit function ; change of variables ; infinite series and products for real and complex variables ; the differential geometry of plane and twisted curves and of surfaces ; multiple integrals, differentiation and integration under the sign of integration ; the Eulerian integrals ; integrals when the variable is complex.

Reference works : Byerly's *Differential and Integral Calculus*, 2 vols. ; Kiepert's *Differential und Integralrechnung* ; Appel's *Cours d'Analyse Mathématique*.

Dr. STRONG and Mr. HAWKES.

16 *Higher Algebra and Analytic Geometry.* 3 hrs.

In the first part of the course topics are : substitutions, symmetric functions, roots of unity, determinants, solution of linear systems of equations, elimination, resultants, discriminants, and invariants.

The second part of the course will be devoted to analytic geometry, laying stress on modern methods. As many as possible of the usual topics will be taken up in plane geometry ; in solid geometry quadratic surfaces will be treated in some detail. Determinants and invariants will be freely applied.

Books of reference—Algebra : Burnside and Panton, *Theory of Equations* ; Elliott, *Algebra of Quantics* ; Carnoy, *Algèbre Supérieure*.

Geometry : C. Smith, *Solid Geometry* ; Clebsch-Lindemann, *Leçons sur la Géométrie*.

Dr. STARKWEATHER :—

17 *Mechanics.* 2 hrs.

The course consists of lectures and seminary work, a good knowledge of the Calculus and a previous course in elementary mechanics, especially the problems thereof, being assumed. Special attention is given to the kinematics of a rigid body and of plane kinematic chains with one degree of freedom. In dynamics the fundamental conceptions of force and mass receive particular consideration, and special effort is made to give the student a clear sense of the importance and applicability of the principles of work and energy, momentum, and moment of momentum, which are considered successively for the material particle, the rigid body and a system of bodies.

## READING CLUB IN FRENCH AND GERMAN MATHEMATICS.

The club is in charge of instructors in turn, and will hold its meetings once or twice weekly at hours to be arranged later.

Various specimens of mathematical French and German will be read. The object is to give students an opportunity to become familiar with mathematical technical terms and to acquire an ability to read mathematical literature rapidly at sight.

This does not count as a course. Attendance is voluntary but warmly recommended to all.

## APPLIED MATHEMATICS

Professor C. B. RICHARDS :—

*MECHANICAL ENGINEERING.*

This course, arranged for candidates for the degree of Mechanical Engineer, is open also to special graduate students, who are allowed in certain cases to take selected parts. The leading topics are :

18 *Applied Mechanics.*

Including graphical methods in applied kinematics, and in the investigation of mechanisms working with friction ; graphical determinations of the accelerations of the moving parts of machines ; the strength of materials as affecting the proportions of machine elements ; the applications of the principles of hydraulics to the construction and working of turbines and pumps.

19 *Thermodynamics.*

Applications to the compound steam-engine, air compressors and compressed air motors, engines worked by volatile vapors, refrigerating machines, the warming and ventilation of buildings.

20 *Machine-Design.*

In this course the student is engaged in practical exercises under the guidance of the professor in charge, investigating machinery, the designing and making of working-drawings, specifications, and estimates for machines and manufacturing plant. In addition to the study of machines in general, one of the following subjects (at the option of the student) receives particular attention : (a) Marine engineering ; (b) Railway machinery ; (c) Pumping machinery and plant ; (d) Machinery and plant for manufacturing. The student is required to make complete draw-

ings, from new designs, of at least one important piece of machinery under one of these subjects. A compound marine engine and boilers, a locomotive, a turbine driving centrifugal pumps, a blowing-engine for an iron furnace, are examples.

Candidates for the degree of Mechanical Engineer are required to take also a course in mathematics, to sustain a final examination, and to present a satisfactory thesis on a subject approved by the professor in charge of the course.

### Professor DuBois :—

#### *CIVIL ENGINEERING.*

This course offers instruction for advanced graduate students as well as for those students who may be regular candidates for the degree of Civil Engineer. It embraces the following topics:

21 *Mechanics applied to Engineering.* 3 hrs.

Including the application of kinematics, statics, and kinetics to engineering problems.

[Thursday, Friday, and Saturday, 12 M.]

22 *Construction and Design.* 3 hrs.

Including the strength and properties of materials, construction and design of bridges, roofs, foundations, retaining walls, dams and embankments, masonry arches, sewerage and drainage, improvement of rivers and harbors, specifications and contracts, and the preparation of designs and working-drawings.

Candidates for the degree of Civil Engineer are required to take, in addition, a selected course in mathematics and practical astronomy, and when the facilities in the physical laboratory permit, a course of laboratory work under the superintendence of the professors in charge. They are also required to sustain a final examination, and each to present a satisfactory thesis, accompanied by appropriate designs, upon a subject approved by the professor in charge of the course.

To special students, not candidates for the degree of Civil Engineer, a selection of special topics is allowed.

[Monday, Tuesday, 2.30 P. M., and Wednesday, 12 M.]

### Professor BEEBE :—

\*23 *Descriptive Astronomy.* 3 hrs. 1st half year.

[See Course 255, page 107.]

- \*24 *Surveying.* 3 hrs. 2d half year.  
[See Course 256, page 107.]

- \*25 *Practical Astronomy.* 2 hrs.  
[See Course 257, page 108.]

Assistant Professor BARNEY :—

- 26 *Geodesy and Practical Astronomy.* 2d term.

Methods of observation, based on measurements, triangulation field-work ; theory of least squares, adjustment of observations, and computation of geodetic latitudes, longitudes, and azimuth. The study of practical astronomy embraces the use of the sextant and engineer's transit with solar attachment for determining time, latitude, azimuth, and needle variation.

- 27 *Railway Surveying.* Three weeks in September.

A preliminary line for a railroad is run out, and from the contour map so obtained a final line is located, staked out, and cross-sectioned, and estimates are made for construction. The field-work begins the first Monday in September and occupies the entire time for three weeks.

- 28 *Design and Construction of Sewers and Sewage Disposal.* 1st term.

Design of system for some town, including all estimates, maps, and detail drawings necessary for the construction of the system and disposal of the resulting sewage.

THE MATHEMATICAL CLUB holds fortnightly meetings, at which are presented sketches of the history of mathematical development and inventions, summaries of articles in current periodicals and other publications on pure and applied mathematics, descriptions and models of new apparatus, together with the original investigations of the instructors and advanced students in this department of study.

A MATHEMATICAL SEMINARY ROOM has been fitted up at 90 High street, and is provided with the nucleus of a Departmental Library for the use of the advanced students in Mathematics.

THE ENGINEERS' CLUB meets monthly in North Sheffield Hall for the reading and discussion of papers on subjects relating to the different branches of engineering.

Lectures are occasionally given before the club by professional experts.

### VIII. THE FINE ARTS

JOHN F. WEIR, N.A., M.A.

JOHN H. NIEMEYER, M.A.

Professor WEIR :—

1 *Technical Course in Painting.*

Only those students who have been qualified by a course in Drawing can enter the course in Painting. The hours for students of the Graduate School must be determined individually. The charge for instruction, entitling the student to all the privileges of the School, is \$25 for the college year.

2 *Course in Modeling.*

The course consists in modeling from the antique and from the living figure and is supplemented by the lectures given in course 1.

Professor NIEMEYER :—

4 *Course in Drawing.*

Students in the Graduate School may pursue the course in Drawing in the Art School without restriction as to time. The terms will be \$25 for the college year, entitling the students to all the privileges of the School as arranged for students from other departments of the University.

### IX. MUSIC

HORATIO W. PARKER, M.A.

SAMUEL S. SANFORD, M.A.

HARRY B. JEPSON, B.A., MUS.B.

ISIDOR TROOSTWYK.

Professor PARKER :—

\*1 *Harmony.*

2 hrs.

[See Course 270, page 109.]

\*2 *Counterpoint.* 2 hrs.  
[See Course 271, page 110.]

\*3 *Strict Composition.* 2 hrs.  
[See Course 272, page 110.]

4 *The History of Music.* 1 hr.  
Lectures on the development of music from its earliest stages.  
Practical illustrations of the lectures on musical form are given  
in the class-room.  
[Wednesday, 5 P. M.]

\*5 *Instrumentation.* 2 hrs.  
[See Course 274, page 111.]

6 *Free Composition.* 2 hrs.  
Several of the smaller forms of free instrumental and vocal  
music are composed by the students, such as part-songs  
for male, female, or mixed voices, and pieces of different sorts for  
the piano and other instruments.  
At the close of the year the student is required to produce  
an extended work, probably in sonata form.  
[Wednesday and Friday, 2 P. M.]

Professor SANFORD, Assistant Professor JEPSON, and Mr.  
TROOSTWYK:—

7 *Practical Music.*

Instruction is given in Piano-, Organ-, and Violin-play-  
ing to a limited number of students. Fees range from  
\$50.00 to \$150.00 for the college year.

Each student of the piano-forte receives individual instruction,  
under the supervision of Professor Sanford, who will in person  
instruct a limited number of advanced students in the higher  
branches of the art, particularly in *ensemble* and concert-playing.  
(No student is admitted to a course in practical music who has  
not been admitted to one of the theoretical courses.)

Students of organ-playing receive personal instruction from  
Prof. Jepson and of violin-playing from Mr. Troostwyk.



## X. PHYSICAL EDUCATION

JAY W. SEAVER, M.A., M.D.

WILLIAM G. ANDERSON, M.D.

Dr. SEAVER and Dr. ANDERSON :—

280 *Physiology and Gymnastics.*

2 hrs.

This course is designed for those who intend to teach gymnastics or to direct departments of physical education in institutions of learning. The work comes under two general branches as follows :

1 *Physiology.*

This work consists of one recitation or lecture a week with Dr. Seaver, during the year. The first term is devoted to elementary physiology. The second term is devoted to human physiology ; special attention being given to a study of the circulation, respiration, digestion, and excretion. The hygienic importance of these topics is carefully studied. The third term is given to a study of sanitary science. Collateral reading will be required during the third term.

Dr. Seaver may be consulted at the Gymnasium from 9.30 to 10.30 A. M. daily.

[Thursday, 7 P. M., University Gymnasium.]

2 *Principles and Practice of Gymnastics.*

Under this head will be discussed by Dr. Anderson (*a*) the scientific basis of physical training ; (*b*) history of gymnastics and growth of the various systems ; (*c*) means employed, such as apparatus and appliances ; (*d*) physical examinations and measurements ; (*e*) pedagogy of gymnastics. Required textbook, Anderson's *Gymnastic Terminology and Methods of Teaching Gymnastics*.

Members of the class will be called upon to arrange exercises for other classes, to classify movements for overcoming common physical defects, and to do practice work in teaching gymnastics.

Dr. Anderson may be consulted at the Gymnasium from 4 to 6 P. M.

[Monday and Thursday, 11.30 A. M., University Gymnasium.]

# YALE SCHOOL OF THE FINE ARTS

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## FACULTY

ARTHUR T. HADLEY, LL.D., PRESIDENT

JOHN F. WEIR, N.A., M.A., *Director, and Professor of Painting and Design*

JAMES M. HOPPIN, D.D., *Professor of the History of Art, Emeritus*

JOHN H. NIEMEYER, M.A., *Professor of Drawing*

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JOHN P. C. FOSTER, M.D., *Instructor in Anatomy*

\_\_\_\_\_, *Instructor in Architecture*

GEORGE H. LANGZETTEL, B.F.A., *Librarian and Clerk, and Assistant in Drawing*

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## ORGANIZATION AND COURSE OF STUDY

The School aims to provide thorough technical instruction in the Arts of Design, viz : Drawing, Painting, Sculpture, Architecture, and Copperplate Etching ; and to afford a knowledge of such branches of learning as relate to the Philosophy, History, and Criticism of Art. As a professional School of Art the aim is to furnish a thorough course of study in the practice of the studios, and as a department of the University to provide instruction in the Fine Arts as a constituent part of a scheme of general culture. These departments, of Practice and Criticism, may be regarded as distinct or correlative.

## THE TECHNICAL COURSE

The technical instruction, for professional students, is based upon methods well adapted to discipline the faculties and ground the pupil in the elements and fundamental principles, which constitute a grammar of Art, as a foundation for all forms of special application. This instruction is arranged as follows :

IN DRAWING, the work is distributed over a three years' course. During the first year the practice of the studio is confined to drawing from the "Antique," from plaster casts; during the second year, to drawing from casts and the living model; and during the third year, to drawing from the living model, nude and draped. The classes under the supervision of the Instructor in this department are the antique, portrait, nude-model, and sketching classes. Students showing the requisite proficiency in any class, will be advanced to the work of the second or third year according to individual ability. Instruction in this department precedes all special courses in the various branches of Art; no pupil is allowed to enter any of the advanced classes without this necessary qualification in that degree of proficiency which is deemed essential as a preliminary ground for such studies. Lectures on the principles of decoration, as applied in the various branches of Decorative Art, are included in this department.

IN ANATOMY, instruction is given in the form of lectures, and by drawings made from specimens and casts. The course comprises the study of such portions of the human body as manifestly affect the external forms, the aim being to familiarize the pupil with the characteristics of those parts, independently of their combined action in modifying the external forms. Drawings of these parts are made by the pupils, in connection with the subjects discussed by the lecturer. Advanced studies include the whole structure of the human form in its plastic anatomy and mechanism. The skeleton and muscular system are viewed as a whole, and the modification of the external forms studied in action and repose. The subjects of proportion, equipoise and motion, and expression, are studied, and original drawings required in illustration, made from life, or from Greek sculptures, by reducing the same to their anatomical structure by the imagined removal of the integument.

IN PERSPECTIVE, the instruction is likewise given in the form of lectures, illustrated by examples drawn on the blackboard, explaining the principles under discussion. The lectures are supplemented by practical exercises. The student is required to work out examples in the interim between the lectures. Objects are treated with reference to their true dimensions, as preliminary to their correct representation on a flat surface, as seen in perspective, at various distances, and from different points of view, including the study of shadows and reflections, and the application of the general principles of perspective to interior and exterior views. The pupil is required to work out problems in illustration of all the principles involved in linear perspective in its application to the various branches of art.

IN PAINTING, the work is divided into an elementary and an advanced course of study. The first studies are devoted to the acquisition of a knowledge of the elements of technical practice, by painting from still-life. When the pupil has acquired some knowledge of the means in representing objects in color, as to their values and relations, the remainder of the course is given to studies of the living model, in portrait, figure, and composition. This is continued while the pupil remains in the School. The course in painting implies, on the part of the pupil, a requisite knowledge of drawing, and drawing from the living model is continued throughout the course in connection with the work in color. The practice of the studio is supplemented by illustrated lectures on Color, Chiaroscuro, Composition, and such other special topics relating to the principles and means of Art as are comprehended in its theory and practice.

IN MODELING, a course is provided, including the anatomical lectures, and drawing. The work in this branch of instruction consists in first modeling in clay, from casts of Greek fragments, the head and other extremities of the human form, and then the whole figure. When the student has sufficient command of the method and means, the rest of the course is devoted to modeling from the living subject.

IN ARCHITECTURE, the course includes drawing, as provided in that special department in its elementary instruction, as well as the course in isometric projection and perspective. Under the instructor in Architecture, studies are made from notable examples of the various orders and styles, in chronological order, with original projects in illustration to be worked out by the student. The means and methods of preparing plans, elevations, sectional and working drawings, and perspective views in india-ink and water-color, are comprehended in the elementary part of this course. Arrangements may be made with other Departments of the University, by which students in Architecture can obtain the requisite instruction in mathematical subjects having a direct bearing on this art, including plane geometry, stone-cutting, the nature and strength of materials, and the principles of construction and engineering.

The course includes a general and comprehensive view of the historic development of the various architectures, with a comparative analysis of the same with respect to their principles of construction and decoration.

IN COPPER-PLATE ETCHING, a course is provided, and a room set apart for this special study, containing all the necessary appliances of this art, including a press.

## COURSE IN THE HISTORY AND CRITICISM OF ART

The instruction in this department includes courses of lectures by the various Instructors of the School, and other invited Lecturers, arranged to include professional students in regular course, and classes from other departments of the University where it is recognized as an "elective" study.

A course of technical lectures in the Principles and Means of Art is provided, fully illustrated, embracing the subjects of Line, Chiaroscuro, Color, Composition, and Expression, discussing the technical methods of the Painter, the Sculptor, the Architect, and the Engraver, including an historic account of the technical development of these arts.

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The regular prescribed course of study, for professional students, covers a period of three years, but pupils are encouraged to remain in the School and pursue advanced studies after the expiration of the prescribed term. The fees are at the rate of ten dollars per month, with an annual fee of ten dollars. No pupil is received for a term of less than three months; payment in advance. The tuition fee for a fourth year's attendance is one-half the usual rate; pupils remaining for a longer period are classed as "honorary students"; as such they are exempt from the payment of a tuition fee, but are charged an annual fee of fifteen dollars. The School is open to both sexes; no pupil is received under fifteen years of age. All applications for admission should be made through the Director. The School opens on the 1st of October, and the closing exercises are held on the 1st of June. At the end of the School-year an exhibition of the work of the various classes of pupils is held, continuing open through the summer months.

AN ELECTIVE COURSE is provided for the Junior and Senior Classes of the Academical Department, as set forth on page 98. Also, a special course in FREE-HAND

DRAWING is arranged to meet the requirements of students in the Sheffield Scientific School, extending through the first term of the College year.

Members of other Departments of the University may enter the Art School, and enjoy all its privileges, as "Special Students," on the payment, in advance, of an annual fee of twenty-five dollars.

CERTIFICATES are awarded to pupils remaining in the School through the regular course of three years ; and the Degree of BACHELOR OF FINE ARTS is conferred by the University upon those students who have fulfilled the requirements of a prescribed course of advanced studies in the several departments of instruction, and have submitted an approved original composition in painting, sculpture or architecture, and a satisfactory thesis on some topic relating to the Fine Arts. Students from other Art Schools, who have passed through the requisite elementary course in art, may enter this advanced course, ending in the conferring of the above degree, on passing the requisite examinations.

THE WILLIAM WIRT WINCHESTER FELLOWSHIP PRIZE, being the income, for two years, derived from a fund of \$20,000, is open to competition. The next *concours* will be held in 1901. Competing students must have been pupils of the Yale School of Fine Arts for at least two years before the award is made. A preliminary *concours* will be held two months before the beginning of the final competition ; this preliminary *concours* to consist in making a satisfactory full-length drawing, or painting, from the nude model, which entitles the student to enter the final competition. The award is made at the anniversary of the School on alternate years ; the jury of award being three well known artists chosen by the Faculty. The right is reserved to postpone this competition should the work of the students, in the preliminary *concours*, fall below the requisite standard.

THE ALICE KIMBALL ENGLISH PRIZES, the income from a foundation of one thousand dollars, and silver and bronze medals, are awarded annually to students taking the regular course of study in the professional department of the School, under such conditions as the Faculty may prescribe.

THE ETHEL CHILDE WALKER PRIZE, the income from a foundation of two hundred dollars, is also awarded annually, under certain restrictions.

THE TROWBRIDGE LECTURE COURSE provides lectures on art by various invited lecturers outside of the Faculty. This course of lectures is open to all members of the University.

THE ART LIBRARY, containing a collection of technical hand books, current art-periodicals, and portfolios of etchings and engravings, is open, during specified hours, for the use of students. The pupils of the School are entitled to the use of the University Library, and to such other privileges, under the usual restrictions, as are granted to students in the other Departments.

THE COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty-two paintings dating from the 11th to the 17th centuries; the "Trumbull Gallery" of historical portraits and other works, numbering fifty-four pictures; the Alden collection of Belgian wood-carvings, of the 16th century, comprising about one hundred and twenty feet of wainscoting and three confessionals, from a chapel in Ghent; a collection of contemporaneous art, numbering about fifty paintings; a small collection of original sketches by old masters; a collection of about one hundred and fifty casts and marbles, representative of the various periods of Greek and Renaissance Art; a valuable collection of Chinese porcelains and bronzes, loaned by Mr. Frederick Wells Williams; and a collection of Braun autotypes, and other reproductions, numbering about two hundred.

The Collections of the School are open daily, without charge, from 1 to 5 P. M., during term-time; also, during the summer vacation from 9 A. M. to 6 P. M., when a fee of twenty-five cents is charged. This fee is also charged when special loan exhibitions are organized, in order to meet incidental expenses.



# DEPARTMENT OF MUSIC

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## FACULTY

ARTHUR T. HADLEY, LL.D., PRESIDENT

HORATIO W. PARKER, M.A., *Professor of the Theory of Music*

SAMUEL S. SANFORD, M.A., *Professor of Applied Music*

HARRY B. JEPSON, B.A., MUS.B., *Assistant Professor of the  
Theory of Music*

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ISIDOR TROOSTWYK, *Instructor in Violin-Playing*

H. STANLEY KNIGHT, *Instructor in Piano-Forte Playing*

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The Department of Music aims to provide adequate instruction for those who intend to become musicians by profession, either as teachers or as composers, and to afford a course of study to such as intend to devote themselves to musical criticism and the literature of music.

In all the courses a knowledge of piano-playing is required, though in a less degree if the student plays well some other musical instrument.

The work in the Department is divided into theoretical and practical courses of study. The Department is open to undergraduates and graduates, also to special students. Admission is granted without distinction of sex. The theoretical studies consist of the courses mentioned below from 1 to 6 inclusive. The practical courses consist of instruction in Piano-, Organ-, and Violin-playing. No student will be admitted to any practical course unless he shall already have been admitted to one or more of the theoretical courses.

The theoretical courses are subdivided into elementary and advanced. Courses 1, 2, and 3 are considered elementary. At the close of the academic year, students who have completed course 2 may become candidates for a *Certificate of Proficiency in the Theory of Music* by passing

an examination—conducted partly in writing and partly *viva voce*—in four-part harmony and counterpoint, in the history of music, and in the structure of song and sonata forms. An unprepared analysis of classical works will be required in addition. Academic students on the completion of the same course and passing the same examination with distinction, will receive one-year honors in Music (see p. 122).

The advanced courses are numbered 4, 5, and 6. They are open only to students who are able to pass the examination required preliminary to the granting of the Certificate of Proficiency in Theory mentioned above. Members of these classes at the end of two years' work, or its equivalent, may become candidates for the degree of *Bachelor of Music*. The candidate will be required to pass an examination before a Board of Examiners, consisting of the Faculty of the Department of Music. Satisfactory evidence of proficiency in the theory of music and in any two of the following languages (one of which must be a modern language), Greek, Latin, French, German, Italian, shall be given to the Professor of the Theory of Music, prior to the examination; also, an original composition in one of the forms to be designated by him. The examination will be in advanced Counterpoint, Canon, Fugue, the higher forms of Musical Composition, and impromptu Orchestration. Academic undergraduates, on passing this examination with distinction, will receive two-year honors in Music (see p. 122).

The fees for instruction are from fifty to two hundred dollars per year. The fee for the theoretical courses only is fifty dollars per year. These fees may be remitted in whole or in part when the student needs the relief and shows natural talent in such degree as to warrant it in the opinion of the Faculty. A special fee will be charged for instruction in Violin-playing. The fee for Certificate of Proficiency in the Theory of Music is five dollars. The fee for a degree is ten dollars.

1 *Harmony.* Tuesday and Thursday, 4 P. M.

The study of chords, their construction, relations, and progressions. This course covers the following subjects:

Intervals,—the measurement of distance from one tone to another; triads of the major and minor scales, and their inversions; seventh chords, primary and secondary, with their inversions and resolutions; modulations; chromatically altered notes; suspensions; organ point; passing and changing notes; harmonization of a given melody; harmony in two, three, and five parts; simple instrumental accompaniments.

The work is principally the writing of exercises from figured basses. The exercises will be corrected in the class-room with explanations and illustrations.

Jadassohn's *Harmony* (Breitkopf & Härtel, New York and Leipzig) is used as text-book.

2 *Counterpoint.* Tuesday and Thursday, 3 P. M.

A thorough knowledge of Harmony is required of students in this course.

The work is the harmonizing and supplying melodious additional voices to choral and other melodies used as *Canti Firmi*.

The different orders of Counterpoint in two, three, and four voices; also double counterpoint, and more or less free imitative writing.

Students in this course are encouraged to try the simpler forms of free composition. No text-book is used.

3 *The History of Music.* Wednesday, 5 P. M.

Lectures on the development of music from its earliest stages. History of Church music from the time of Gregory; History of Opera and Oratorio; Biographical sketches of famous composers, with description and analysis of their principal works; History of purely instrumental music, showing the growth and development of musical forms up to their culmination in Beethoven.

Practical illustrations of the lectures on musical forms are given in the class-room.

4 *Strict Composition.* Tuesday and Thursday, 2 P. M.

The more severe kinds of composition form the basis of work in this course.

Harmony in Five and more parts; Threefold and Fourfold Counterpoint; Four- and Three-part Fugues for voices or for

instruments; Canons of various kinds, with or without accompaniment of free voices; Free treatment of different kinds of thematic material.

This course is preparatory to course 6. No text-book is used.

5 *Instrumentation.* Wednesday and Friday, 3 P. M.

This course is open only to students who have done the work of courses 1 and 2, and it is strongly recommended that course 4 also should precede it.

Lectures are given on the nature, compass, tone-color, and other characteristics of all the instruments of the modern orchestra, with illustrations of their use by great composers.

Exercises in the practical orchestration of short pieces from the works of classic and modern composers, in analyzing, reading and playing from orchestral scores, beginning with Haydn and Mozart Symphonies, and embracing modern works of various kinds.

6 *Free Composition.* Wednesday and Friday, 2 P. M.

This course is open only to students who have done the work of courses 1, 2, 4, and 5, and have shown unmistakable talent for original composition. Several of the smaller forms of free instrumental and vocal music are composed by the students, and studies are made for larger compositions, which are finished in case the thematic material offered is of sufficient merit.

At the close of the year the student is required to produce an extended work, probably in sonata form.

### PRACTICAL MUSIC

The courses in practical music consist of instruction in playing the Pianoforte, the Organ, and the Violin.

No student is admitted to a course in practical music who has not been admitted to one of the theoretical courses.

I. PIANOFORTE—No student is admitted to a course in playing the pianoforte who has not already attained some proficiency in the use of the instrument and in sight-reading.

Each student is required to master the elements of a good touch and technique before undertaking the study of extended musical works.

Each student receives individual instruction, under the supervision of the Professor of Applied Music. Professor Sanford, in person, will instruct a limited number of advanced students in the higher branches of the art, particularly in *ensemble* and concert playing.

II. ORGAN—No student is admitted to the courses in playing the organ until he has acquired a satisfactory knowledge of pianoforte technique.

The work includes careful study of organ technique, and of works by representative classic and modern composers in Sonata form and in Polyphonic and Free styles, graded according to the needs of the individual student. Especial attention is given to the mechanical attributes of the instrument,—the pitch, quality, and possible combinations of the various registers, also to transposition and to playing from vocal-score.

III. VIOLIN—Students in violin-playing are received in all stages of proficiency, but the number of beginners is limited.

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DIPLOMAS are awarded to those students who, having successfully completed a three-years' course of instrumental study, are qualified to act as teachers or to appear as soloists.

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The fees for instruction in instrumental music are as follows :

For Piano (for University students, graduate or undergraduate),	.	.	\$50.00	for the college year.
For Piano (for other persons),	.	.	100.00	" " "
For Organ,	.	.	50.00	" " "
For Violin (class of two),	.	.	100.00	" " "
For Violin (for individual lessons),	.	.	150.00	" " "

These fees are exclusive of the fee for instruction in the theoretical courses.

**STEINERT PRIZES**—By the liberality of Mr. Morris Steinert, of New Haven, two scholarships of \$100 each, and one of \$150, have been offered for three years successively, beginning in 1896.

The students who receive these scholarships are selected according to their promise and need by the Faculty of the Department, with the assistance of the donor, before the beginning of the Fall term. The stipends are intended to defray the charges for one student each in the branches of Piano-, Organ-, and Violin-playing, but the money may be differently divided at the discretion of the Faculty.

The **LOCKWOOD SCHOLARSHIPS**, founded by the bequest of five thousand dollars from Miss Julia A. Lockwood, of Norwalk, Connecticut, in 1897, are offered to two students annually in the Department, who shall pass the best examinations in the theory and practice of instrumental music upon the organ and piano-forte.

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**THE NEW HAVEN SYMPHONY ORCHESTRA**, under the direction of the Professor of the Theory of Music, gives a series of concerts during the winter, to which students in any Departments of the University are admitted for a small fee. This organization is a complete and well-equipped orchestra of about fifty players, and is a valuable adjunct to the Department of Music.

Students of orchestration are afforded an opportunity to hear their work actually performed, and any composition which is original and of sufficient merit may be performed publicly.

The same orchestra affords an opportunity to acquire orchestral routine to those students of the violin who are able to pass the examination for admission to the orchestra.

The most advanced students of piano-playing as well as violin-playing are allowed to rehearse with the orchestra, and to perform publicly, if fitted to do so in the judgment of the Faculty of the Department.

## COURSES FOR TEACHERS

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With the desire of being serviceable to the teachers of public and private schools in the State of Connecticut, a series of courses in various subjects of study has been arranged to extend through the Academic year 1899-1900.

These courses are open to those who are either graduates of colleges, or are qualified by reason of their previous studies to pursue successfully the subjects of their choice.

Those who take these courses are not regarded as candidates for a degree.

A course consists of ten exercises, given on Saturdays—in either the Fall or the Winter Term.

In connection with the several subjects of study, lines of reading are marked out to supplement the classroom exercises, and, whenever it is possible, the subject is illustrated by charts or models, or by laboratory experiments, while hints and suggestions are freely given as to methods of study and of teaching.

The University Library is open to those who hold tickets to these Courses. The exhibition-rooms of the Peabody Museum, and the collections of the Art School, are also open.

Tickets covering a single course of ten exercises in either term cost (\$8) eight dollars, payable in advance; tickets covering two courses (not necessarily in the same department of study), one in the Fall and the other in the Winter term, cost (\$12) twelve dollars, payable in advance. No course is given unless it is taken by at least fifteen persons.

## COURSES OF STUDY.

## PSYCHOLOGY AND PEDAGOGY.

Professor GEORGE M. DUNCAN :—

*Introduction to Educational Psychology.* Fall term.

Lectures on general psychology, constituting an introduction to the subject, with side readings on the application of psychology to education.

Professor E. HERSHEY SNEATH :—

*Educational Theory.* Winter term.

A critical study of the representative theories of Education. Compayré's *The History of Pedagogy* is used as a text-book.

## SOCIAL SCIENCE

Professor WILLIAM G. SUMNER :—

*Science of Society.* Fall term.

Tylor's *Anthropology* will be read in set lessons. The exercises will consist of discussions of the topics in the lessons as contributions to the Science of Society. Beyond this, Spencer's *Study of Sociology* will be optionally included.

No special preparation is necessary to undertake the course.

Professor WILLIAM F. BLACKMAN :—

*The Literature of Sociology.* Winter term.

A classification of the principal writers and a comparison and contrast of their points of view and methods.

## HISTORY

Professor ARTHUR M. WHEELER :—

*The Great Powers of Europe and Their Relations with the United States.* Fall term.

Ten lectures on the following subjects :

1. How England became an Empire.
2. The British Empire of to-day.
- 3 and 4. The diplomatic and other relations between the British Empire and the United States.



5. The Far Eastern question.
6. The third Republic of France, *i. e.* the France of to-day, with such historic references as may be necessary in order to make the situation intelligible.
7. The relations past and present between France and the United States.
8. Germany.
9. Russia.
10. The Ottoman Empire.

Professor EDWARD G. BOURNE:—

*American Political History, 1800-1876.*

Winter term.

Studies in the Lives of American Public Men.

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|-------------------------|------------------------|---------------------------|
| I. Introduction.        | Method                 | V. Daniel Webster.        |
|                         | of biographical study. | VI. John C. Calhoun.      |
|                         | Bibliography.          | VII. Charles Sumner.      |
| II. Albert Gallatin.    |                        | VIII. Stephen A. Douglas. |
| III. John Quincy Adams. |                        | IX. William H. Seward.    |
| IV. Henry Clay.         |                        | X. Salmon P. Chase.       |

The course will consist of practical exercises combined with lectures based on selections from the letters, speeches and public papers of these statesmen and will illustrate the leading political questions of the period as well as the proper method of critical biographical study. Special attention will be given to the preparation of select bibliographies. Through these exercises and the lectures the members of the course will have the opportunity of making a fairly full survey of the literature of American History for the period covered.

#### ENGLISH.

Professor CHARLTON M. LEWIS:—

*Modern English Poets.*

Fall term.

A course of informal lectures on the following poets:

1. Wordsworth. 2. Coleridge. 3. Byron. 4. Shelley. 5. Keats and Landor. 6. Rossetti and Swinburne. 7. William Morris. 8. Clough and Matthew Arnold. 9. Tennyson. 10. Browning.

A list of poems will be recommended for each week's reading, and the lectures will be, in part, discussions of the poems so prescribed. The list for the first lecture is as follows: *Lucy Gray, Anecdotes for Fathers, The Reverie of Poor Susan, Lines*

*composed above Tintern Abbey, Ruth, Fidelity, Ode to Duty, Stepping Westward, The Solitary Reaper, The Leech Gatherer, Laodamia.* These poems are all contained in Matthew Arnold's selections from Wordsworth.

Professor HENRY A. BEERS:—

*English Tragedy.*

Winter term.

The division of the subject will be somewhat as follows :

1. Antique Tragedy.
2. Seneca Plays.
3. Romantic Melodrama.
4. Chronicle History.
5. Mediated Tragedy.
6. The Heroic Play.
7. Bourgeois Tragedy.
8. The Social Problem Play.
9. Comi-Tragedy.
10. The Closet Drama.

Some of the topics discussed will be Fate and Freewill, the Tragic Contradiction, Classic and Romantic Ideals, the Relation of Drama to Fiction, Dramatic Construction, Irony, Solution by Death, etc., etc. One English play will be assigned for reading in connection with each lecture, and one foreign play recommended. The lecturer will commonly occupy 30-40 minutes, and the rest of the hour will be devoted to discussion and questions.

#### BIBLICAL LITERATURE.

Professor FRANK K. SANDERS:—

*Biblical Masterpieces.*

Fall term.

The class will give its attention to a study of the Bible as Literature, the main purpose being to determine the leading forms of which the Biblical writers made use and to consider their literary force and practical value. Under each form the choicest examples throughout the whole Bible will be selected and, as far as possible, discussed. The general result of the course will be to make the Bible available to the teacher for purposes of illustration and stimulus. The first meeting of the class will be devoted to Biblical History. The members are

requested to read over the books of Judges, First Samuel and Acts, noting down in case of each book tentative opinions regarding (1) The real purpose of the historian, (2) the range of his history, (3) the sources he had at his command, (4) the plan by which he arranged his subject matter, (5) his likeness or unlikeness to modern historians, (6) the elements of real value in the history.

### BIOLOGY.

Professor RUSSELL H. CHITTENDEN :—

*Physiology.*

Fall term.

A course of experimental lectures on selected chapters in physiology, dealing especially with muscle and nerve physiology, locomotion, respiration, circulation, etc. This will be purely a lecture course, but the teachers may be asked to do some collateral reading.

### BOTANY.

Dr. ALEXANDER W. EVANS :—

*Elementary Botany.*

Winter term.

The flowering plant and its various organs will be discussed with respect to form, structure and function.

# DEPARTMENT OF THEOLOGY

## (YALE DIVINITY SCHOOL)

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### FACULTY AND INSTRUCTORS

- ARTHUR T. HADLEY, LL.D., PRESIDENT
- REV. GEORGE E. DAY, D.D., *Professor of the Hebrew Language and Literature, Emeritus*
- REV. GEORGE P. FISHER, D.D., LL.D., *Professor of Ecclesiastical History and Dean of the Faculty*
- REV. LEWIS O. BRASTOW, D.D., *Professor of Homiletics and the Pastoral Charge*
- REV. EDWARD L. CURTIS, PH.D., D.D., *Professor of the Hebrew Language and Literature*
- REV. GEORGE B. STEVENS, PH.D., D.D., *Professor of Systematic Theology*
- REV. WILLIAM F. BLACKMAN, B.D., PH.D., *Professor of Christian Ethics*
- REV. FRANK C. PORTER, PH.D., D.D., *Professor of Biblical Theology*
- REV. BENJAMIN W. BACON, LITT.D., D.D., *Professor of New Testament Criticism and Interpretation, and Secretary of the Faculty*
- FRANK K. SANDERS, PH.D. (*Professor of Biblical Literature in Yale College*), *Instructor in Biblical History*
- WARREN J. MOULTON, PH.D., *Instructor in Biblical Literature*
- SAMUEL S. CURRY, B.D., PH.D., *Instructor in Elocution*
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### SPECIAL LECTURERS

- REV. JOHN BROWN, D.D., of Bedford, England, *Lyman Beecher Lecturer* (On the Puritan Preachers)
- PROFESSOR WILLIAM N. CLARKE, D.D., of Colgate University (*On the Historical Spirit in Theology*)
- REV. WILLIAM V. KELLEY, D.D., of New York, Editor of the *Methodist Review* (Subject to be announced)

## TERM OF STUDY

The next annual term of study will commence on Thursday, September, 27, 1900, and will continue until the third Wednesday in May, 1901, when the Anniversary and the Annual Meeting of the Theological Alumni are held. Catalogues and forms of application for admission may be obtained by addressing the Secretary, Professor B. W. Bacon, 30 Trumbull St., New Haven, Conn.

It is expected that every student will be present promptly at the beginning of the session. Rooms are assigned by lot on the day before that on which the term begins.

The building will be open on Monday, September 24, and temporary accommodations provided for new students whose applications have been received.

## CONDITIONS OF ADMISSION

The Seminary is open, on equal terms, to students of every Christian denomination. The conditions of admission are membership in some evangelical Church, or other satisfactory evidence of Christian character, and a liberal education at some College or University, or, in exceptional cases, an equivalent preparation for theological studies. Some knowledge of the Hebrew language on the part of those entering the Junior class is desirable.

The following rules determine the admission of students to candidacy for the degree of Bachelor of Divinity :

1. Bachelors of Arts (whose course of study has included Greek) are admitted without examination as candidates for the degree of B.D.

2. Graduates holding other literary degrees than that of B.A.—such as B.S., B.L., and Ph.B.—are required to pass an examination in Greek before being admitted as candidates for the degree of B.D.

3. Other applicants for admission, whose acquirements, in the judgment of the Faculty, qualify them to pursue the course with profit, may be admitted to membership in the Institution without becoming at the outset candidates for the degree of B.D.

4. Such non-graduates as show superior scholarship in the actual work of the course may, at any time, by vote of the Faculty, become candidates for the degree of B.D.

5. Students from other Seminaries will be received to advanced standing upon the same terms as applicants for admission at the beginning of the course.

6. Students, not candidates for the degree of B.D., who shall complete the regular course satisfactorily, will receive from the Faculty a certificate testifying to this fact.

## COURSE OF STUDY

THE COURSE OF INSTRUCTION occupies three years, and is arranged in the following order :

### REQUIRED STUDIES IN JUNIOR YEAR

Professor CURTIS will give instruction five times a week in the grammatical principles of the Hebrew language in connection with the first eight chapters of Genesis, with the use of Harper's *Introductory Hebrew Method* and *Elements of Hebrew* as a text-book. In addition to this preliminary work, the class will read critically the remainder of Genesis and Exodus i-xxiii with the study of Hebrew Syntax and with the use of Gesenius's *Hebrew Grammar*. Exercises will also be given in reading at sight. A course for the entire class will be given, once a week, in Old Testament Introduction, both general and special. Under the former will be treated the origin and growth of the Old Testament Canon and a description of the ancient versions of the Old Testament ; under the latter particular attention will be paid to the history, theories, and results of Hexateuchal criticism.

Professor BACON will give instruction four times a week in the Greek New Testament. The studies of the year will be divided as follows : (a) Prolegomena to the New Testament, including the use of the Methods and Apparatus of Grammatico-historical Exegesis, the History and Criticism of the Text, the History of the Formation of the Canon, and the History of Modern Criticism, one lecture a week throughout the first term. (b) The principles of Grammatico-historical Exegesis in practical application, three hours a week. During the first half of the year the Pauline Epistles will be thus studied on the basis of Galatians and Ephesians ; in the second half the same principles of exegesis will be applied in the study of the Synoptic Gospels on the basis of Mark. Essays on connected themes will be prepared by the students and discussed in the presence of the class during the second half-year, once a week.

Professor STEVENS will lecture twice a week during the first half of the year on the Philosophy of Religion, historically considered. The course will consist in a study of the theories of Religion which are

involved in the principal modern systems of Philosophy, together with a survey of the recent literature of the subject. The continuance of the study during the second half-year will be optional.\*

Professor BRASTOW will meet the class twice a week during the second half of the year. He will give a course of introductory lectures on Practical Theology, including its proper scope, its relation to other branches of Theology, the Christian conception of the Church, its final purpose as related to the Kingdom of God, its organization, the marks of its visibility, the ministerial calling, and unification of ministerial functions in the Christian pastorate. He will also lecture and conduct critical exercises on the use of the Topic in preaching, making Claude's *Essay upon the Composition of a Sermon* a partial basis for the work.

Dr. CURRY will begin with this class a thorough course of instruction in Vocal and Elocutionary Training, which is progressive in its character and extends through the three years of study for each class. The work is so arranged that each student receives, at least once a week, criticism upon some form of expression and personal suggestions as to daily practice. A course of lessons will be given in Vocal Culture, proper action of the mind in reading and speaking, the principles of Vocal Expression and oratorical action.

#### REQUIRED STUDIES IN MIDDLE YEAR

Professor FISHER will give instruction three times a week in General Church History, embracing especially the branches of the subject which are not included under the History of Doctrine. They comprise the following topics: the Nature, Divisions, and Sources of Church History, with a review of the Literature of the subject; the Old or Preparatory Dispensation in its relation to Christianity; the condition of the Graeco-Roman World at the Introduction of the Gospel; the Establishment of Christianity, and the Conflicts of the Apostolic Age; the spread of Christianity, including especially the Conversion of the Roman Empire and of the Teutonic Nations; the Changes in Ecclesiastical Polity in the early centuries; the Organization of Latin Christianity under the Papacy; the relations of the Papacy and the Church to Civil Society in the Middle Ages; the Protestant Reformation, with its Causes and the Systems of Polity adopted by the different Protestant Churches; Christian Life, and its Characteristic Features in the successive eras (including the Rise and subsequent History of Monasticism); the History of Christian Worship.

\* Professor Stevens expects to be absent in Europe during the year 1899-1900. Instead of his course described above, Professor Blackman will give his Middle year course in Christian Ethics (see page 293) to the Junior class. Members of the class may also elect courses on the Philosophy of Religion in the Collegiate or Graduate departments of the University. Those who wish to do so can take the above course, or its equivalent, during the subsequent year.

Professor STEVENS will lecture three times a week on Systematic Theology. The course will include the investigation and discussion of such topics as the Nature and Method of Theology, the Doctrine of Sacred Scripture, the Christian Idea of God, and of Man, the Nature and Consequences of Sin, the Person of Christ, the Work of the Holy Spirit, the Trinity, the Atonement, the Christian Life, the Church, and the Consummation of the Kingdom of God. Special attention will be paid to current discussions and controversies in theology and to the most recent literature on the various topics which are studied.\*

Professor CURTIS will read with the class twice a week selections from the Poetical and Prophetical Books of the Old Testament. Special attention will be paid to exegesis. Original work of this character will be required of the students. After January 1st two courses will be open to the class, one in the Hebrew, and one in the English text.

Professor PORTER will lecture twice a week on the Biblical Theology of the Old Testament. The aim will be to present a general view of the religious institutions and of the ethical and religious conceptions of Israel in their beginnings and in the historical course of their development. Special attention will be given to the religious faith and work of the Prophets, to the significance of the Exile, and to the character of post-exilic Judaism, including its last pre-Christian stages.

Professor BLACKMAN will lecture twice a week during the latter half of the year on Christian Ethics. The course will include a brief introduction to the history and literature of Christian Ethics; an account of its relations to Philosophical Ethics, to Religion, and to Christian Theology; and a study of the fundamental and constructive ethical principles which are disclosed in the Scriptures of the Old and New Testament.

Professor BACON will read with the class on the plan called "curso-risch," once a week throughout the year, the Book of Acts, applying the principles of historical and literary criticism to the problems of the growth of Ecclesiastical Life and Literature in the Apostolic Age. The second hour throughout the year will be devoted to lectures on Introduction to the several Books of the New Testament.

Professor BRASTOW will give instruction by lectures and critical exercises, in Structural Homiletics, three times a week during the first half of the year.

\* Next year, on account of Professor Stevens' intended absence, the Middle class will take Professor Porter's course in the Biblical Theology of the New Testament (see page 295). The class will take the course in Systematic Theology in their Senior year.



Dr. CURRY will give an advanced course in Vocal Exercises, including practice in the rhythm and melody of speech, in Scripture and hymn reading, and in preaching and various forms of speaking.

REQUIRED STUDIES IN SENIOR YEAR

Professor BRASTOW will give instruction five times a week, by lectures and critical exercises, in different branches of Practical Theology, as follows: he will lecture three times a week during the first term of the year on Homiletics, and once a week will meet the class in divisions for homiletic criticism. He will also, in connection with the teacher of elocution, conduct a class exercise, once a week throughout the year, in the criticism of sermons. It is proposed to make these practical exercises a prominent feature in the course. He will also give private instruction, at least once during the year, to each member of the class in connection with the criticism of sermons, and will give personal aid in the study of Homiletical and General Literature. He will lecture three times a week during the last term of the year, upon Catechetics, Liturgics, Church Government, the Missionary work of the Church, the relation of the Church to the Family, the relation of the Church to the State, and the work of the Church as related to the different branches and methods of Education and to problems of Moral reform. He will also conduct class discussions of questions of practical interest relating to the work of the Church once a week during the entire year.

Professor FISHER will give instruction three times a week, through the year, in the History of Christian Doctrine and in Symbolical Theology. The course includes an explanation of the Origin of Theology as a Science, and a Discussion of True and False Theories of the Development of Doctrine; a Survey of the Influence of Philosophy on Theology in the successive eras; a Review of Authors in the field of Theological Literature; a History of Theological Thought in the Church in relation to the several Doctrines of the Christian system, down to the present time; an account of the Comparative Tenets of the principal religious bodies into which Christendom is divided.

Professor BLACKMAN will lecture twice a week on some important problems of American life, such as: the negro; the immigrant; the defective, dependent, vicious and criminal classes (charities and corrections); the city; the wage and factory system; the family; and communism, socialism, and anarchism. The lectures will be supplemented by reports and book-reviews by the students, and (probably) by a visit to the charity and correctional institutions of New York. As introductory to the course, a few lectures will be given on the study and literature of Sociology.

Professor PORTER will lecture three times a week on the Biblical Theology of the New Testament. The teaching of Jesus will be examined on the basis of a critical study of the sources, the attempt being to set it forth as a whole, in its individuality, and to ascertain its historical significance in relation to past and contemporary Jewish thought and to the founding of Christianity. The Theology of the Apostolic Age will then be studied in its fundamental unity and its historical progress, special attention being given to the sources, character, and influence of the thought of Paul.

Dr. CURRY will give instruction both in class and in private. Arrangements are made for training and practice to meet the special needs of each individual in his preparation for the duties of the preacher's office.

The choice of subject for the thesis required for graduation (see p. 305) must be made and reported to the Faculty not later than October 15, and the thesis itself must be presented not later than February 1.

#### ALTERNATIVE COURSES

Students who bring certification of having satisfactorily completed any of the above required courses at other institutions may substitute optional courses subject to the approval of the Faculty. The amended schedule of courses proposed should be submitted to the Faculty through the class officer as soon as possible after the opening of the term. The officer of the Junior Class is Professor CURTIS; of the Middle Class, Professor STEVENS; of the Senior Class, Professor BRASTOW, and of the Graduate Class, Professor BLACKMAN.

#### OPTIONAL COURSES

The purpose of these courses is to encourage scholarly investigation in special lines, and to train students in methods of independent study. The work will be mainly conducted after the "seminary" method of original research, and the exercises will consist largely in the reading of dissertations, and in discussions by the members of the class under the direction of the instructor.

The following courses are offered for the year 1899-1900 :

Professor BRASTOW will conduct an exercise, once a week, in Sermon Criticism.

Professor CURTIS will give instruction once a week in the Wisdom-Literature of the Old Testament.

Professor STEVENS will meet members of the Junior class twice a week during the second half-year, for studies in Theism and Apologetics. The course will consist in the reading and discussion of one or more standard treatises with essays and reviews by the students. (Omitted in 1899-1900.)

Professor BLACKMAN will offer two special courses in the Graduate School of the University. These courses will be open to students of theology. He will also conduct an exercise during a portion of the year in the history, criticism, and use of hymns.

Professor PORTER will conduct an exercise once a week in the study of Hellenistic Jewish Literature and Theology. The course will consist of readings from the early Hellenistic literature and from Philo, with special reference to the relation of Hellenistic to Palestinian Judaism, and its influence upon early Christian thought.

Professor BACON will conduct, once a week, a two-hour exercise, open to all students of the University, in rapid translation and concise exposition of the Greek New Testament. The aim will be to cover the books not studied in regular course, and by paraphrase or brief comment to present the results of critical study.

Professor SANDERS of the University will admit members of the Junior class in the Seminary to his regular Graduate course 38 (twice a week) on the History and Literature of the Hebrew People to the Period of the Exile. That portion of this course which is lost by the earlier termination of the Seminary year can be made up by the elective of the one hour course 42 upon the Minor Prophets, offered in 1899-1900. Members of the Middle and Senior classes or of the Graduate class will be admitted to Graduate course 39 (twice a week) on the History and Literature of Judaism and Early Christianity from the Exile to 200 A.D., and to course 40 (English Bible Seminary), intended for training in accurate investigation of Biblical questions. Courses 38 and 39 present a general survey of the Bible as a whole. They are essentially preparatory to the critical and exegetical courses of the Seminary.

Dr. MOULTON will admit members of the Divinity School to Graduate course 44, which takes up the principal epistles of Paul in the probable order of writing (English, once a week); also to course 45, which has for its object a survey of Maccabean history and literature covering the period from the death of Alexander the Great, 323 B. C., to the Conquest of Palestine by Pompey, 63 B. C. (once a week). He offers further (46) History of the Alexandrian Version of the O. T. (LXX) and

its use in textual criticism (lectures with reading of Kings or Samuel twice a week ; first half-year) and (47) Theological German—Reading of Jülicher's *Die Gleichnissreden Jesu*, 1 Tl. (one hour a week.)

#### GRADUATE (OR FOURTH YEAR) CLASS

Into this class only those who have completed a course of three years in this or some other Theological School are admitted. It is designed to meet the wants of those who desire to pursue an advanced course of general theological study, or to apply themselves to special subjects of reading or investigation in any of the departments of theology for one year or more, under the advice and direction of the Professors and with the help furnished by the Reference and University libraries. Candidates for membership in this class are admitted by vote of the Faculty.

From the connection of the Divinity School with the other Departments of the University, special advantages for the prosecution of linguistic and other studies are open to students preparing for service as foreign missionaries.

The following subjects are announced for the coming year, but in some cases others may be substituted for them, after consultation with the class :

I. Professor FISHER : Discussions of the Person of Christ in recent German Theology.

II. Professor BRASTOW : A Study of the Epoch-making Preachers of the Church.

III. Professor CURTIS : Studies in history and archæology with the view of determining the meaning and historical value of the Biblical records.

IV. Professor STEVENS : A study of the Neo-Hegelian Philosophy of Religion. (Omitted in 1899-1900.)

V. Professor BLACKMAN : The Social Teaching and Influence of Christianity. Selected portions of the following works will be studied and discussed : Friedländer's *Sittengeschichte Roms*, Sienkiewicz's *Quo Vadis*, Mathew's *Social Teaching of Jesus*, Schmidt's *Social Results of Early Christianity*, Uhlhorn's *Conflict of Christianity with Heathenism* and *Die Christliche Liebesthätigkeit*, Nash's *Genesis of the Social Conscience*, Lecky's *History of European Morals*, Dennis's *Christian Missions and Social Progress*.

VI. Professor PORTER: A biblico-theological study of the doctrine of the Spirit in the Old and New Testaments, with special reference to the nature of prophetic inspiration, and to the place and significance of the Spirit in the thought of Paul.

VII. Professor BACON: The Origin of the Lucan Writings, studied in the light of the Western Text. An examination of the theories of Blass, R. Harris, B. Weiss and others as to the sources, authorship and date of Luke and Acts.

Members of the Graduate Class are required, in all ordinary cases, to take at least three of these courses, and are expected to continue their studies at the Seminary during the entire year. They are furnished with rooms on the same terms as other students, (see p. 303) and no charge is made for instruction or for the use of libraries.

#### RESIDENT LICENTIATES

The privileges of attendance at the Lectures and use of the Libraries of the Seminary and University are granted on application to the Faculty to young men who have been licensed to preach and who desire to pursue studies throughout the year. Rooms will be furnished at one-half the usual rentals to licentiates regularly enrolled and pursuing at least three of the above-named courses.

#### PUBLIC LECTURES, ETC.

Various courses of public lectures are open to all members of the University, and furnish opportunity for students to hear many of the distinguished writers and speakers of the country. Such are THE DWIGHT HALL COURSE, THE PHI BETA KAPPA COURSE, THE KENT CLUB COURSE, THE ART COURSE.

The lectures of the SHEFFIELD COURSE, in the Scientific School, the UNIVERSITY CHAMBER CONCERTS, and the UNIVERSITY SYMPHONY CONCERTS are open to students at a small charge for admission.

#### AMERICAN LECTURES ON THE HISTORY OF RELIGIONS

Yale University is now a member of the Association of various institutions for the establishment of popular courses, of six or eight lectures each, in the History of Religions, somewhat after the style of the Hibbert lectures in England, to be delivered annually in various cities by the best scholars of Europe and this country. The first course, in

1895-96, was given by Professor T. W. Rhys Davids, LL.D., Ph.D., of London, on the History and Literature of Buddhism; the second by Prof. D. G. Brinton, LL.D., of the University of Pennsylvania, on the Religions of Primitive Peoples; the third by Prof. T. K. Cheyne, D.D., of Oxford, on the Religious Thought and Life of Israel after the Exile; the fourth, in 1898-99, by Prof. Karl Budde, Th.D., of Strassburg, on the Religious Thought and Life of Ancient Israel.

During the year 1899-1900 the well-known Egyptologist, Edouard Naville, of Geneva, will lecture on the Religion of Ancient Egypt. These courses are open to all members of the University.

#### CLUBS

A number of voluntary associations of instructors and students exist in the University, whose meetings for the reading and discussion of papers are open to all students. Membership in these clubs is open to those who are qualified. Of especial interest to divinity students are the SEMITIC and BIBLICAL CLUBS, and the PHILOSOPHICAL CLUB.

THE SEMITIC CLUB and THE BIBLICAL CLUB are composed of instructors and students in the Divinity school and in the Department of Biblical Literature in the University.

#### EXERCISES IN PUBLIC SPEAKING

A rhetorical exercise for all the classes is held every week, in MARQUAND CHAPEL, in the presence of the Faculty, and under the direction of the Professor of Homiletics. Once in two weeks an address is delivered, followed by criticism and discussion. Each alternate week there is an exercise, designed for the cultivation of the power of the students in extemporaneous speaking, as well as for the discussion of subjects of practical importance.

#### LEONARD BACON DEBATING CLUB

This club is designed to promote interest in important public questions and the effective discussion of them. All members of the Divinity School who are interested in public debate are eligible to membership. The club meets once a week; every alternate week the debate is held in Marquand Chapel and is public. Occasionally public addresses are given before the club by prominent men on subjects germane to its object. During the year 1898-99 the following gentlemen have addressed the Club:

Rev. Chas. E. Jefferson, D.D., Rev. W. V. Kelley, D.D., Rev. A. Z. Conrad, D.D., Prof. A. C. McGiffert, D.D., Rev. R. S. McArthur, D.D., Prof. E. J. Phelps, LL.D., Prof. Geo. D. Herron, D.D., Rev. Albert J. Lyman, D.D., Prof. Geo. Adam Smith, D.D.

## SACRED MUSIC AND LITURGICS

The "Society of Sacred Music and Liturgics of Yale Divinity School" has for its purpose to stimulate an interest in the resources of church music and ritual. It is divided into two branches which aim to develop and cultivate the taste and talent of the students in each of these lines. To this end it will aim to secure instruction in the theory and practice of church music and the most effective employment of the best forms of worship. It has also organized a glee club, membership in which is determined by competitive examination.

The courses of instruction in the Department of Music in the University are open to Divinity students on the conditions stated in the University Catalogue (page 280). These courses, under Professors Parker and Sanford, include Harmony, Counterpoint, History of Music, Composition, and Instrumentation.

## PUBLIC WORSHIP

There is daily morning worship in MARQUAND CHAPEL. Students attend worship on the Lord's day in the University Chapel, or in any of the City Churches.

Prayer meetings of the different classes and a general prayer meeting of the Seminary are held on alternate weeks in the lecture-rooms.

## LIBRARIES

The *University Library*, containing 253,000 volumes in the various departments of Literature and science and many thousands of unbound pamphlets, is especially rich in its theological part. It is open eight hours every secular day for consultation and for the drawing of books. Its Reading Room, containing books of reference and periodicals, is open throughout the day and evening.

The *Linonian and Brothers Library* contains about 22,000 volumes in general literature. To these Libraries the Divinity students, in common with the other members of the University, have access.

For a fuller notice of the advantages of this character, the general catalogue of the University may be consulted.

The *Reference Library* of the Divinity School, established by the late Henry Trowbridge, Esq., of New Haven, and placed in the Bacon Memorial Hall, is open for consultation throughout the day and evening. It contains more than 3,000 carefully selected volumes, in every department of theological literature, and additions are constantly made. It is designed to take the place, for each student, of a large and well selected private library.

The valuable *Library of Church Music* belonging to the late Dr. Lowell Mason was given to the Seminary by his family. This library, which is one of the largest of its kind in the country, is placed in West Divinity Hall.

The *Library of Foreign Missions*, recently established, containing more than five thousand volumes, of which a catalogue has been issued, is designed to embrace a full History of Modern Missions, as carried on by all denominations and in all countries. Additions are constantly made to it and more than fifty of the leading American, English, and Continental missionary periodicals are regularly received.

The total number of volumes in the several libraries, which are open to students, is more than 300,000.

#### PHYSICAL EXERCISE

The University Gymnasium, which is complete in all its appointments, is open to the students of this Department at a small charge. The facilities offered in this connection are described in the general catalogue of the University.

#### DIVINITY HALLS

The East Divinity Hall contains, in addition to the Lecture Rooms for the several classes, rooms for the Professors, and the Historical Library of Foreign Missions, accommodations for about sixty students. The West Divinity Hall has, in addition to the room which contains the Lowell Mason Library and is also used as a social parlor, accommodations for ninety students. The rooms in these build-



ings are provided with all necessary furniture, except bed-clothes, which may be brought by the occupants, or will be furnished at a moderate charge by the Janitor. The assignment of rooms to new students will be made by lot on Wednesday, September 26, at 2 o'clock P. M., in Room B, East Divinity Hall. The rooms, to which bed-rooms are attached, are, for the most part, designed for one occupant, but a considerable number are designed for two. The Janitor in charge of the building is Mr. Ernest F. Hill, who may be addressed at East Divinity Hall.

#### PRACTICAL CHRISTIAN WORK

In connection with Welcome Hall, the New Haven City Mission, and the missions and Sunday schools of the churches of the city, there is abundant opportunity for the students to engage in practical Christian work, and they are recommended to undertake such work as far as may be consistent with the prosecution of their studies. A committee of the Y. M. C. A. of the Seminary has this matter in charge and undertakes to ascertain the need of such aid in the different missions and Sunday schools as well as in hospital and jail work, and to assign to each student that form of work which he desires. In some cases students receive pecuniary compensation for such service. During the past year more than nine-tenths of the students have been regularly engaged in work of this character, or in preaching.

By invitation of the Faculty and students, occasional lectures of an informal character, relating to the practical duties of the ministry and to different forms of philanthropic effort, are given by clergymen and others, who are specially well fitted to deal with these topics.

#### YOUNG MEN'S CHRISTIAN ASSOCIATION

The Young Men's Christian Association of the Seminary has for its object to deepen the spiritual life of the students, to increase their interest in missions, and to bring

them into fellowship with similar associations throughout the world. Occasional addresses are given by persons especially engaged in, and familiar with, missionary work.

#### LICENSE TO PREACH

The regular time for applying for licensure is near the close of the second year's study, before which time the members of the Seminary are not allowed to preach, except by special permission of the Faculty.

#### EXPENSES AND PECUNIARY AID

Students have to make pecuniary provision for only about eight months of study annually. In the four months of vacation, from May to September, they have the opportunity to engage in Home Missionary or other work, with remuneration for their services.

The expenses of each student for the annual session of thirty-four weeks are \$15 for care of room and other incidentals; \$25 to \$30 for fuel and lights, or one-half of this sum in case two students occupy the same room. No charge is made for instruction or room rent.

The expense for board will be from \$3 to \$4 a week, at which prices most of the students have obtained good board during the past year. These expenses are fully covered by the means of assistance mentioned below.

Students of the Junior, Middle, or Senior Classes, whose circumstances require it, who have maintained a creditable standing in their antecedent studies, and who continue so to do in the studies of the course, receive \$100 a year from the income of Scholarships and other funds belonging to the School. Additional aid to an amount ranging from \$50 to \$70 annually, is furnished by the Congregational Education Society, when their funds permit, to students who are members of Congregational churches. New applicants must furnish three recommendations for this aid.

After the close of the second year in May, students not infrequently receive remuneration for preaching in places easily accessible.

In general, it may be said that the aid which is provided for every young man, of any evangelical denomination, who gives promise of usefulness in the ministry, is sufficient, in connection with his own efforts, to enable him to complete a course of theological study.

### PREMIUMS

In addition to the aid mentioned above, a number of scholarships of \$50 each, from the William H. Fogg Scholarship Fund, are offered to members of the Junior Class. The Fogg Prizes in ordinary cases will be assigned on the basis of the standing maintained by the members of the class during the year.

THE DOWNES PRIZES, founded in 1896 by William E. Downes, Esq., of New Haven, will be awarded to the students of the Senior and Middle Classes who shall attain to the highest proficiency in the public reading of the Scriptures and of Hymns. A first prize of fifty dollars and a second prize of forty dollars will be assigned by a committee appointed by the Faculty to the two successful competitors in each of these classes.

A prize of fifty dollars is offered by a friend of the School for the best essay, by a member of the incoming Senior class, on one of several themes, to be selected, and the conditions of the contest to be determined, by the Professor of Christian Ethics.

### GRADUATE FELLOWSHIPS

A GRADUATE FELLOWSHIP was established in 1876, as a memorial of the late Mrs. Aurelia D. Hooker, of New Haven. It is assigned at graduation to that member of the class to which it is offered who, having been connected with the School during, at least, two years of the course

and being of approved Christian character, has, in the judgment of the Faculty, acquired such proficiency in theological studies as best to qualify him for the advantages offered by this foundation for the further prosecution of the same. The person to whom the scholarship is given receives the annual income (\$600) for two years after graduation, and is expected to pursue a course of theological study under the direction of the Faculty, either as a resident at the School, or, in case he may prefer to do so, in Europe or Palestine. The HOOKER FELLOWSHIP is offered to the class which enters the Divinity School in September, 1900.

A SIMILAR GRADUATE FELLOWSHIP yielding \$500, which has been established as a memorial of the late Mrs. Susan B. Dwight, of New Haven, and will afford to the student who shall receive it the same privileges for one year after graduation, was offered on the same conditions to the class which entered the School in September, 1899, and will be offered to the class which enters in September, 1901.

#### GRADUATE SCHOLARSHIPS

Scholarship aid will, at the discretion of the Faculty, be offered to such members of the Graduating Class of this School, and to such graduates of other theological Schools as shall, in the judgment of the Faculty, give promise of special success in advanced theological study.

#### DEGREES

The Degree of Bachelor of Divinity is conferred by the President and Fellows of the University on all members of the School who, having been admitted by the Faculty as candidates for this degree (see p. 290), satisfactorily complete the prescribed course of study and present an approved thesis on some topic of theology.

# DEPARTMENT OF MEDICINE

## (YALE MEDICAL SCHOOL)

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### FACULTY

ARTHUR T. HADLEY, LL.D., PRESIDENT

MOSES C. WHITE, M.D., *Professor of Pathology*

CHARLES A. LINDSLEY, M.D., *Professor of the Theory and Practice of Medicine, Emeritus, and Lecturer on Sanitary Science*

WILLIAM H. CARMALT, M.D., *Professor of the Principles and Practice of Surgery*

\*JAMES CAMPBELL, M.D., *Professor of Obstetrics and the Diseases of Women and Children*

THOMAS H. RUSSELL, M.D., *Professor of Clinical Surgery and Lecturer on Surgical Anatomy*

HERBERT E. SMITH, M.D., *Professor of Chemistry, and Dean of the Medical School*

JOHN S. ELY, M.D., *Professor of the Theory and Practice of Medicine*

OLIVER T. OSBORNE, M.D., M.A., *Professor of Materia Medica and Therapeutics*

HARRY B. FERRIS, M.D., *Professor of Anatomy*

BENJAMIN MOORE, M.A., *Professor of Physiology*

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HENRY L. SWAIN, M.D., *Clinical Professor of Diseases of the Throat and Ear*

CHARLES J. BARTLETT, M.D., *Assistant Professor of Pathology*

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FRANCIS BACON, M.D., *Lecturer on Medical Jurisprudence*

SAMUEL B. ST. JOHN, M.D., *Lecturer on Ophthalmology*

ARTHUR N. ALLING, M.D., *Instructor in Ophthalmology*

LOUIS B. BISHOP, M.D., *Instructor in Pediatrics*

LEONARD W. BACON, JR., M.D., *Instructor in Operative Surgery*

CHARLES D. PHELPS, M.D., *Instructor in Physical Diagnosis*

RALPH A. McDONNELL, M.D., *Instructor in Dermatology and Materia Medica*

\* Deceased.

ROBERT E. PECK, M.D., *Instructor in Neurology*  
WARREN A. SPALDING, *Demonstrator of Pharmacy*  
WILLIAM H. PARKER, PH.D., *Instructor in Chemistry*  
ERNST H. ARNOLD, M.D., *Instructor in Orthopaedic Surgery*  
ALLEN R. DEFENDORF, M.D., *Lecturer on Insanity*  
CLIFFORD W. KELLOGG, M.D., *Instructor in Histology, and Assistant in the Gynecological Clinic*

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EDWARD M. MCCABE, M.D., *Clinical Assistant in Ophthalmology*  
LEONARD C. SANFORD, M.D., *Assistant in the Surgical Clinic*  
EDWARD S. MOULTON, M.D., *Assistant in Gynecology*  
ROBERT O. MOODY, M.D., *Assistant in Pathology*  
FREDERICK C. BISHOP, M.D., *Assistant in Histology and in the Throat and Ear Clinic*  
DONALD R. HINCKLEY, M.D., *Assistant in Physical Diagnosis*  
WILLIAM J. SHEEHAN, M.D., *Assistant in the Surgical Clinic*  
AMBROSE K. BRENNAN, M.D., *Assistant in Obstetrics*  
SAMUEL M. HAMMOND, M.D., *Assistant in the Medical Clinic*  
FREDERICK N. SPERRY, M.D., *Assistant in the Throat and Ear Clinic and Assistant Demonstrator of Anatomy*  
WILLIAM F. VERDI, M.D., *Assistant in the Surgical Clinic*  
WILLIS H. CROWE, M.D., *Assistant in the Medical Clinic*  
EDWARD F. MCINTOSH, M.D., *Assistant in the Medical Clinic*

In the fall of 1810 a charter was granted to the President and Fellows of Yale College and the President and Fellows of the Connecticut Medical Society, authorizing them to unite according to the terms of certain "Articles of Union," before agreed upon, for the establishment of a medical seminary, to be styled the Medical Institution of Yale College. Two years later the School was organized, and in the fall of 1813 instruction was begun. The professors of the Faculty were appointed by the College Corporation from nominations by the Medical Society. Degrees were conferred by the College on the recommendation of the board of examiners, consisting of the members of the Faculty and an equal number appointed by the Medical Society.

This dual government continued until 1884, when by an amicable arrangement with the Medical Society, the College authorities assumed entire control of the School.

In the early years the instruction consisted of didactic and clinical lectures and dissections during a short winter course. As time passed changes in the relations between practitioners and students of medicine, and even greater changes in medicine itself, demanded a different kind of instruction, and even before 1879 the curriculum and the required period of instruction had been much altered, but in this year a stricter entrance examination was imposed, and there was adopted a graded course extending over three years of eight months each, and including considerable laboratory instruction.

In 1896 the extension of the course of study to four years permitted the more complete and satisfactory grading of the studies which is presented in the curriculum now in force.

#### GOVERNMENT OF THE SCHOOL

The Medical School constitutes the Medical Department of the University, and is governed by the Professors of the Faculty of Medicine under the authority of the President and Fellows of the University. The School possesses its own buildings and endowment funds, but shares with the other departments in the benefits arising from the funds, libraries, and collections of the University.

#### EQUIPMENT

The instruction is carried on in the several buildings belonging to the School or associated with it.

*Medical Hall* contains two lecture rooms, and laboratories of anatomy, histology, pathology, and bacteriology. The lecture-rooms are provided with modern electric projection lanterns, and are otherwise well equipped for the illustration of the recitations and lectures held in them.

The *Laboratory Building* has recently been constructed and contains the lecture-rooms and laboratories of physiology and chemistry.

The *New Haven Dispensary* is located on the grounds of the School and furnishes ample clinical facilities. It has a staff of thirty physicians, consisting of the chiefs of the various clinics and their assistants. The service consists of about 16,000 consultations annually, and is divided among the following clinics: Internal medicine; surgery, including genito-urinary and orthopaedic surgery; ophthalmology; otology, laryngology and rhinology; neurology; gynecology and obstetrics; pediatrics, and dermatology. Besides the general clinics which are held in all of these departments, the Dispensary furnishes abundant material for the classes in physical diagnosis, and numerous courses of demonstrations to small groups of students. The Seniors participate in the regular work of all the clinics, to which they are appointed as assistants in rotation. In the Dispensary building are provided dormitory facilities for the students who are appointed to the obstetrical service.

The *New Haven Hospital* is situated but a short distance from the school buildings. It has about 150 beds, and, being the general hospital in a large manufacturing city, which is also a considerable railroad center, presents an active service. The instruction is chiefly by means of ward classes in medicine and surgery, and by clinical lectures and operations. The Farnam Operating Theatre is thoroughly equipped with every requisite and convenience for surgical work. The arrangements are planned with special reference to making the operations available for purposes of instruction to students.

The four resident physicians are appointed according to the results of examinations before the medical staff. Besides these appointments similar ones in the other cities of this state and in neighboring states are open to graduates of this School, a majority of whom have in recent years secured such hospital appointments.

The *Springside Hospital* is connected with the City Almshouse, and affords valuable opportunity for clinical demonstration.



The *State Hospital for the Insane*, situated at Middletown, Conn., contains about 1800 patients who illustrate abundantly all forms of insanity. By a recent arrangement the instruction in insanity will be combined with clinics at this hospital.

The *Libraries*—The University Library contains over 253,000 volumes and includes the Medical Library. Medical students have the same privileges of consulting and drawing books as students in the other departments of the University. A small circulating library of recent medical books is maintained in the alumni room in Medical Hall by the editors of the Yale Medical Journal.

The *Gymnasium*—The privileges of the University Gymnasium can be had on payment of the fee of \$5 annually.

#### REQUIREMENTS FOR MATRICULATION

Candidates for admission to the First year of the course leading to the degree of Doctor of Medicine must present satisfactory testimonials of moral character from former instructors or physicians in good standing, and must pass the matriculation examinations as given below. But these examinations are not required from candidates who have received degrees in arts or science; nor from those presenting certificates from the proper officer showing that they have successfully prosecuted the subjects of the examinations at some college, high school, academy, or preparatory school, approved by the Faculty as maintaining a satisfactory standard; nor from those who have passed matriculation examinations, equivalent to those required here, at some approved professional school.

#### THE MATRICULATION EXAMINATIONS

The subjects of these examinations are as follows:

1. ENGLISH: An essay of about two hundred words on some familiar subject to be announced at the time of the examination.

NOTE.—Beginning with the session for 1901-2 the English requirement will be as follows:

(a) The principles of Rhetoric. A suitable preparation for this examination may be obtained from *The Foundations of Rhetoric*, by A. S. Hill.

(b) A short exercise in writing from dictation.

2. LATIN: An amount equal to one year of study as indicated in Harkness's *Easy Latin Method*.

3. MATHEMATICS: The *Metric System* of weights and measures. *Algebra* as far as *Quadratics*.

4. PHYSICS: Gage's *Elements of Physics*, or some equivalent work.

These examinations are conducted in writing, and are held at the Medical School at 9 A. M., on the Thursday following Commencement, and on the Wednesday preceding the opening of the first term; also, for those conditioned in previous examinations, on the Wednesday preceding the opening of the second term in January.

Candidates may also be examined in June in some thirty other places where examinations are regularly held for admission to other departments of the University, on the Thursday following Commencement. Information concerning the time and place of these examinations may be ascertained by applying to the Dean three weeks in advance. A fee of five dollars is charged for admission to examinations held out of New Haven.

#### ADMISSION TO ADVANCED STANDING

Students who have studied one year in some other recognized institution may be admitted to the Second-year class, and those who have studied two years may be admitted to the Junior class, but students are not received from other schools into the Senior class. Students applying for advanced standing must have pursued studies reasonably equivalent to those already pursued by the class to which they seek admission, and must pass the examinations of the First, or the First and Second years, as the case may be. These examinations may be taken in June with the class by applying to the Dean at least four weeks before Commencement, or they may be taken at the time of the autumn examinations, just before the beginning of the School year in October. Graduates in Arts, Philosophy, or Science, who have pursued studies in chemistry, physiology, anatomy, and histology during their undergraduate courses may be admitted to the Second-year class, with certain conditions.

### TERMS AND VACATIONS

The annual sessions of the School are divided into three terms, covering thirty-four weeks, exclusive of a vacation of three weeks at Christmas and a recess at Easter of one week.

The first term begins with the first Thursday in October, and continues eleven weeks. The second term begins three weeks after the close of the first, and continues twelve weeks. The third term is eleven weeks in length, ending with Commencement. (See Calendar.)

### METHODS OF INSTRUCTION

The instruction in this School is conducted by recitations and lectures in the class-room, and by practical work in the laboratories and clinics.

The class-room work of the first and second years is chiefly by recitations from assigned readings, but they are combined with frequent demonstrations and explanatory lectures. In the third and fourth years, lectures are more employed, but they are still based for the most part on assigned readings in text-books.

The first two years contain a very large proportion of laboratory work which extends to the third and fourth years, but is largely replaced in the latter period by personal clinical work. The laboratories are thoroughly equipped for systematic and accurate work, and such work is exacted from the student. In the clinical instruction less dependence is placed upon formal clinical lectures, and more upon the personal instruction as imparted to small classes, and to individual students in review of their reports of cases assigned to them for examination.

Advancement from one class to the next depends not only on the results of examinations but also on the records of the student's daily work.

## THE CURRICULUM

The curriculum of this School is graded to furnish in four years a systematic presentation of the various subjects of medical study. When a subject is pursued two years the course is a progressive one, in which the work of the second year is not a repetition of that of the first.

The arrangement of the curriculum is such that the student spends the first and second years on the fundamental branches, chemistry, physiology, anatomy, histology, pathology, and materia medica.

The third year he devotes chiefly to a systematic study of medicine, surgery, obstetrics, and pharmacology.

In the first part of the Senior year he continues the study of medicine and surgery and has a systematic presentation of the chief specialties in a series of recitations and lectures, combined with general clinics on these topics. The second and third terms of this year are spent largely on clinical work.

## SYNOPSIS OF THE CURRICULUM

*N. B. The number of hours are hours per week.*

## FIRST YEAR

**ANATOMY**—*Recitations, lectures, and demonstrations*, Osteology, Arthrology, Myology, 3 hours throughout the year, Prof. Ferris. *Laboratory, Dissections*, 15 hours second term, Prof. Ferris, Dr. Sperry.

**HISTOLOGY**—*Recitations and illustrated lectures*, 1 hour first and second term, Prof. Ferris. *Laboratory*, Microscopical technique and histology of normal tissues, 4 hours first and second terms, Prof. Ferris and Dr. Kellogg.

**EMBRYOLOGY**—*Recitations and lectures*, 2 hours third term, Prof. Ferris. *Laboratory*, Embryology of the chick, 4 hours third term, Prof. Ferris and Dr. Kellogg.

**PHYSIOLOGY**—*Recitations and experimental demonstrations*, An elementary course, 2 hours throughout the year, Prof. Moore.

**GENERAL CHEMISTRY**—*Recitations and experimental demonstrations*. The elements and their compounds, 4 hours first term, Prof. Smith. *Analytical Chemistry, Class-room*, 1 hour first term, Dr. Parker. *Laboratory*, 12 hours first term, 6 hours half of second term, Prof. Smith and Dr. Parker. *Organic Chemistry, Recitations*, Constitution and properties of organic compounds, 2 hours second and third terms, Prof. Smith.

**PHYSIOLOGICAL CHEMISTRY**—*Recitations and Lectures*, The proximate principles, tissues and secretions, 2 hours second and third terms, Prof. Smith. *Laboratory*, 6 hours second term, 9 hours third term, Prof. Smith and Dr. Parker.

**ANNUAL EXAMINATIONS**—(1) General Chemistry, including a laboratory examination at the end of first term. (2) Physiological Chemistry. (3) Histology and Embryology. (4) Anatomy. (5) Physiology.

#### SECOND YEAR

**ANATOMY**—Continued. *Recitations and Demonstrations*, Angiology, Neurology, Splanchnology, Topographical Anatomy, 3 hours throughout the year, Prof. Ferris. *Laboratory, Dissections*, 15 hours first or second term, Prof. Ferris, Dr. Sperry.

**PHYSIOLOGY**—Finished. *Lectures and recitations*, 3 hours throughout the year. *Experimental demonstrations*, 2 hours throughout the year, Prof. Moore.

**MATERIA MEDICA**—*Pharmacy Laboratory*, Compounding official preparations and prescriptions, 4 hours first term, Mr. Spalding and Dr. McDonnell. *Demonstrations and recitations*, Classification of drugs, therapeutic appliances, prescription writing, 2 hours second term, Dr. McDonnell.

**PHARMACOLOGY**—*Recitations and lectures*, action of drugs, 2 hours third term, Dr. McDonnell.

**PATHOLOGY**—*Recitations and demonstrations*, General and special Pathology, 2 hours throughout the year, Prof. Bartlett. *Microscopical Laboratory*, Histology of morbid tissues, 6 hours throughout the year, Prof. White, Prof. Bartlett, and Dr. Moody. *Bacteriological Laboratory*, Technique, preparation of media and pure cultures, staining bacteria, 6 hours half of first term, Prof. Bartlett.

**MEDICINE**—*Lectures*, Symptomatology, 2 hours third term, Prof. Ely.

**EXAMINATIONS**—(1) Anatomy. (2) Physiology. (3) Materia Medica. (4) Pathology.

#### JUNIOR YEAR

**PHARMACOLOGY**—Finished. *Recitations and lectures*, Action and application of drugs, 2 hours first and second terms, Prof. Osborne. *Lectures*, Physical therapy, climatology, dietetics, 2 hours third term, Prof. Osborne.

**PATHOLOGY**—*Laboratory*, Study of special topics and the autopsies, 2 hours throughout the year, Prof. White, Prof. Bartlett, and Dr. Moody.

**MEDICINE**—*Recitations and lectures*, 4 hours throughout the year, Prof. Ely. *Clinics*, general medical, 2 hours, Prof. Ely. *Physical Diagnosis*, Systematic practical study of physical signs and methods of examination, 2 hours half year, in sections, Dr. Phelps.

**SURGERY**—*Lectures*, general surgery, 2 hours throughout the year, Prof. Carmalt. *Bandaging. Practical work* in sections, 1 hour second term, Dr. Leonard Bacon. *Surgical Anatomy. Lectures*, 1 hour second term, Prof. Russell. *Clinics*, general surgical, 2 hours throughout the year at the Dispensary, Prof. Carmalt; 3 hours throughout the year at the New Haven Hospital, Prof. Carmalt and Prof. Russell.

**OTOLOGY**—*Lectures*, 1 hour second term, Prof. Swain.

**OBSTETRICS**—*Recitations and lectures*, 2 hours throughout the year, *Demonstrations* with the manikin, mechanism of labor, 1 hour third term.

**GYNECOLOGY**—*Recitations*, 2 hours second term.

**ANNUAL EXAMINATIONS**—(1) Pharmacology. (2) Pathology. (3) Obstetrics and Gynecology. (4) Medicine. (5) Surgery.

#### SENIOR YEAR

**THERAPEUTICS**—*Recitations and Lectures*, 1 hour throughout the year, Prof. Osborne. *Therapeutic Clinics*, Applied therapeutics, 1 hour throughout the year, Prof. Osborne.

**OBSTETRICS**—*Demonstrations* with the manikin and obstetric surgery, in sections, one term. *Midwifery Clinic, Demonstrations and section work*, with reports of cases attended by students, Dr. Brennan.

**GYNECOLOGY**—*Clinics. Lectures, Section work*, Diagnosis and treatment, second and third terms.

**SURGERY**—*Lectures*, special topics, 1 hour second and third terms, Prof. Carmalt. *Dispensary Clinics*, General surgical, 2 hours throughout the year, Prof. Carmalt. *Section work* with reports of cases, 6 hours one term, Prof. Carmalt. *Hospital Clinics, Ward Classes and Operations*, 3 hours throughout the year, Prof. Carmalt and Prof. Russell.

**OPERATIVE SURGERY**—*Recitations*, 2 hours first term, Dr. Leonard Bacon. *Section work*, Operations on the cadaver, second term, Dr. Leonard Bacon.

**GENITO-URINARY SURGERY**—*Recitations and lectures*, 1 hour first term, Prof. Russell.

**ORTHOPAEDIC SURGERY**—*Lectures*, 1 hour first term, Dr. Arnold. *Clinics and section work*, 1 hour second and third terms, Dr. Arnold.

**OPHTHALMOLOGY**—*Lectures*, 1 hour first term, Dr. St. John. *Clinics*, 1 hour second and third terms, with *section work* throughout the year, Dr. Alling.

LARYNGOLOGY AND RHINOLOGY—*Lectures*, 2 hours first term, Prof. Swain. *Clinics*, 1 hour second and third terms. *Section work and manikin practice*, 2 hours second term, Prof. Swain.

MEDICINE—*Laboratory*, Clinical Microscopy, 2 hours first term, Prof. Ely, Prof. Smith, Prof. Bartlett. *Dispensary Clinics*, *Section work*, throughout the year. *Conferences*, 1 hour, Prof. Ely. *Hospital Clinics*, 3 hours, Prof. Ely.

DERMATOLOGY—*Lectures and Recitations*, 1 hour first term, Dr. McDonnell. *Clinics*, Lectures and demonstrations, 1 hour throughout the year, Dr. McDonnell.

PEDIATRICS—*Recitations*, 1 hour first term, Dr. Bishop. *Clinics*, 1 hour throughout the year, with *section work* second term, Dr. Bishop.

NEUROLOGY—*Clinics*, 1 hour throughout the year with *section work*, Dr. Peck.

MENTAL DISEASES—*Recitations*, 1 hour second term, with *clinics* at the State Hospital, Dr. Defendorf.

SANITARY SCIENCE—*Lectures*, 1 hour first term, Prof. Lindsley.

MEDICAL JURISPRUDENCE—*Lectures*, 1 hour first term, Dr. Francis Bacon and Prof. Smith.

ANNUAL EXAMINATIONS—(1) Therapeutics. In *Medicine* (2) Clinical Examination of Cases; (3) Pediatrics, Neurology, Mental Diseases; (4) Dermatology, Sanitary Science, Medical Jurisprudence; (5) Senior Surgery, Operative Surgery, Genito-urinary Surgery; (6) Orthopaedic Surgery, Otology and Rhino-laryngology, Ophthalmology; (7) A Thesis.

## CHEMISTRY

The instruction in this department is given by laboratory work, combined with recitations and explanatory lectures, very completely illustrated by experimental demonstrations and specimens.

The department has two large working laboratories fully equipped for analytical and physiological chemistry. In them each student is supplied with a desk and ample apparatus for systematic and accurate experimental work. The lecture room is furnished with a projection lantern, abundant apparatus for demonstration, and a large chemical collection. The research laboratory is well equipped and is open to advanced students.

*General Chemistry*—The course of recitations includes the fundamental theories of chemistry, and the reactions and characters of the more common elements and compounds. A special course is given in *organic chemistry*, in which much attention is devoted to the constitution and relations of the different classes of compounds. Many of the typical bodies are prepared before the class as demonstrations.

*Analytical Chemistry—Qualitative Analysis* is taught so far as to require the students to be able to analyze a mixture of the salts of the common metals. The course is systematic and is well adapted to cultivate habits of observation and the analytical method of thought. In *Quantitative Analysis* each student makes a number of typical determinations by volumetric and gravimetric methods.

*Physiological Chemistry*—The course consists of recitations and a practical laboratory study of many of the proximate principles of the animal body, and the reactions and composition of the various tissues and fluids, particularly the digestive juices and the urine.

*Clinical Chemistry* constitutes a part of the clinical laboratory course of the Senior year which deals with the analytical methods of value in clinical and sanitary work, especially the study of the blood, stomach contents, urine from pathological cases, the composition of invalid foods, and the predigestion of milk.

Two examinations are held in this department, one in general chemistry, including organic and analytical chemistry, and one in physiological chemistry. The results of these examinations, together with the records of the student's practical work, determine his standing for the year.

## ANATOMY

*Systematic Anatomy*—The course in this subject is graded and extends through the first two years. The instruction is given by means of dissections, recitations, class and section demonstrations, and lectures illustrated by charts, models, wet and dry preparations, and lantern slides. The lectures are intended to be explanatory and supplemental and for the elucidation of the general principles of morphology. The laboratory is well equipped, and ample material, well preserved by embalming and refrigeration, is furnished. Each student is required to make a careful dissection of the three parts of the body at least once. At the completion of a part a quiz is held with each student, which with the recitations and written examination at the end of the year determines his standing.

*First Year*—The work of the first year is devoted to osteology, arthrology, and myology. Each student is furnished with a box containing a skeleton for home study. The study of the soft structures is prosecuted in the laboratory under constant supervision, and two parts at least must be dissected, occupying a period of about twelve weeks.

*Second Year*—The dissection of at least one part is required this year. The anatomy of the peritoneum, the thoracic and abdominal viscera, and of the eye and brain are carefully demonstrated to the students in small groups. The study of surface form and topography in the cadaver and model is an important part of the work. The embryology of each



organ is reviewed in connection with its structure, and the salient facts of comparative morphology, especially of the brain, alimentary, circulatory and respiratory organs, are explained. The examination at the end of the year includes angiology, neurology, splanchnology, and topographical anatomy.

*Histology*—Instruction in histology is given by recitations and lectures illustrated by charts, blackboard drawings, and lantern slides, but chiefly by laboratory work. The recitations and lectures precede and prepare for the better interpretation of the specimens in the laboratory. The laboratory is large, well lighted and equipped, and each student is furnished a microscope and locker containing a box with all necessary apparatus and reagents. First the elementary tissues and their morphological units are studied by fresh and unstained specimens as well as by stained ones, then the various organs are systematically taken up. The student prepares, stains, and mounts the specimens so far as is practicable, making drawings of each with explanatory notes. At the beginning of each laboratory exercise, the specimens for the day are demonstrated by an excellent electric projection apparatus, experience having shown this method of instruction to be very helpful. Systematic instruction is given in the methods of fixing, embedding, and sectioning tissues, and in the structure and functions of the various parts of the microscope and accessory optical appliances.

A practical and written examination is held at the end of the year covering the subjects of histology and the microscope and microscopical technology, which together with the recitations, laboratory work, and drawing books determines the student's standing.

Facilities are offered and assistance given to students who are making original investigations in connection with their theses.

*Embryology*—The method of instruction in this branch is similar to that in histology. The laboratory work consists of a study of the early development of the chick by surface views and serial sections, and the structure of the human decidua, placenta, and cord. The cabinet furnishes serial sections of the human embryo which are used for reference. Congenital malformations and vestigial structures are considered and explained. Some attention is given to embryological technology and reconstructions. The examination is incorporated with that of histology and is of a similar nature.

*Topographical and Surgical Anatomy*—The junior students receive instruction in the topographical and special surgical relationships of anatomy in a course of lectures with demonstrations on the living model and the cadaver.

## PHYSIOLOGY

The instruction in this department is given during the First and Second years. The course in the First year is elementary in character and in it an outline only of the subject is presented. In the Second-year course the subject is treated with much greater detail and special attention is given to the physiology of the nervous system and the special senses. The instruction is given by recitations and lectures, fully illustrated by experiments, and combined in the Second year with a practical laboratory course.

The lecture-room of the department is adapted to its special requirements and is well equipped with apparatus and appliances for class demonstrations. The laboratory consists of a suite of six rooms, well appointed for experimental work. Advanced students are received into the laboratory and guided in research work on subjects suitable for presentation as theses.

## MATERIA MEDICA AND THERAPEUTICS

The instruction in this department extends through the Second, Junior, and Senior years.

*Pharmacy*—The first term of the Second year is devoted to making typical preparations of the Pharmacopœia, and to compounding prescriptions. This work is done in the pharmaceutical laboratory, where each student has a separate desk and is supplied with all of the apparatus necessary to do accurate work.

*Materia Medica*—The second term of this year is devoted to the study of the crude drugs and their preparations by demonstrations and lectures, to recitations on the classification and doses of drugs, to blackboard exercises on prescription writing, and to lectures and demonstrations on the use of hypodermic syringes, spray apparatus, cups, counter-irritation, and the various methods of making hot and cold applications, poultices, plasters, etc.

*Pharmacology*—The instruction on the action of drugs consists of recitations and lectures, and begins in the third term of the Second year, and continues through the first and second terms of Junior year. The third term of the latter year is devoted to lectures and recitations on electricity, massage, hydrotherapy, organic extracts, climatology, and dietetics.

*Therapeutics*—This subject is introduced by a series of lectures on the history of medicine from the earliest time to the present era, particular attention being given to the gradual evolution of scientific rational treatment.

The instruction in therapeutics extends through the Senior year, and is given by lectures and recitations on the treatment of internal

diseases, and in the therapeutic clinic. In this clinic treatment is made of special importance, and the results of treatment are carefully noted and demonstrated. The Senior students have special opportunities to become well versed in prescription writing, as they are appointed to act as clerks in the various dispensary clinics.

Examinations are held at the end of each year on the work of that year.

## PATHOLOGY

Instruction in pathology begins in the Second year and is continued through the Junior. In the Second year it consists of a recitation and lecture course combined with laboratory work. The first part of the course is devoted to general pathology, including the study of bacterial lesions and tumors. This is followed by a detailed review of the special pathology of the important organs. The class-room exercises are illustrated by lantern-slides, drawings, and specimens from the autopsies and the museum.

The laboratory has an excellent equipment of apparatus, including a projection microscope for demonstrations, and is abundantly supplied with excellent microscopes, which are furnished each student, together with a full set of apparatus and reagents. The laboratory course in pathological histology is systematic, and includes a study of all the important pathological processes and morbid tissues. Each student prepares a large collection of typical specimens, which becomes his own property. The methods of instruction are the same as those employed in normal histology.

Instruction in the Junior year is wholly in the laboratory, and consists of a study of individual cases selected from the clinics and autopsies.

Attendance on demonstrations of morbid anatomy at the morgue of the New Haven Hospital is required during the entire course.

Facilities are offered for original research by this department both in the microscopical and bacteriological laboratories.

*Bacteriology*—A laboratory course in this subject is given during the early part of the Second year. This is preliminary to the study of the lesions produced by bacteria, which is taken up in the systematic course in pathology. Each student is provided with a desk and apparatus, and receives instruction in the principles and methods of sterilization, the preparation of the ordinary culture media, and the methods of growing, staining, and studying the various bacteria. Especial attention is given to such bacteriological methods as have been found of value in clinical diagnosis.

## OBSTETRICS AND GYNECOLOGY

The instruction in this department extends through the Junior and Senior years.

*Theory and Practice of Obstetrics*—The principles are thoroughly taught in a course of recitations and lectures extending through the Junior year.

*Practical Obstetrics*—The theoretical instruction is supplemented by manikin and clinical work. The various positions of the foetus *in utero* and the mechanism of labor are taught in a manikin course during the third term of the Junior year. This course is preparatory to the clinical work of the Senior year. The symptoms and signs of pregnancy are demonstrated in the midwifery clinic at the Dispensary. Each member of the graduating class is required to attend at least two cases of labor, and to present a written report on them. Provision is made for this service at the Dispensary, where lodgings are provided for students in attendance.

*Obstetric Surgery*—The various obstetrical operations are taught in the first term of the Senior year in a course of lectures and demonstrations on the manikin.

*Gynecology*—The principles of gynecology are taught in a course of recitations in the second term of the Junior year. This theoretical work is supplemented by clinical lectures in the Senior year, and by a course in diagnosis and treatment taken by the students in small sections as they are assigned to the clinics.

## MEDICINE

The instruction in the branches belonging to this department begins in the third term of the Second year and continues through the Junior and Senior years.

*The Principles and Practice of Medicine*—The instruction begins in the last term of the Second year with a course of lectures on general symptomatology, in which the more important symptoms of disease are considered in their relations to physiology and pathological anatomy.

In the Junior year the instruction consists in a course of recitations which are devoted to a systematic detailed study of the clinical types of disease, combined with attendance on the general medical clinics in the Dispensary and New Haven Hospital, and a practical course in physical diagnosis. Throughout this year the clinical work and the text-book exercises are made to accord as to subject in so far as it is practicable, with a view to making the clinics illustrative of the classroom.

During the Senior year the work is almost wholly practical and chiefly clinical. In the first term a laboratory course in *Clinical Microscopy* is provided, in which instruction is given in the chemical and microscopical methods employed in the clinical examination of blood, exudates, transudates, sputum, stomach contents, urine, and feces. The student is supplied with the necessary apparatus and reagents and retains them, with his place in the laboratory, during the remainder of the year, for his convenience in making such tests as may be necessary in connection with his clinical work. Cases are assigned to each student individually for special study, the student taking the clinical history and making all such physical, chemical, microscopical and bacteriological examinations as may be necessary to a full understanding of the case. At stated intervals these cases are brought before the class and are reported and discussed as regards their pathology, diagnosis, prognosis, and treatment. Each student serves also during a portion of this year as clinical clerk in the Dispensary, taking and recording brief histories of the cases, making physical examinations, and writing prescriptions under the direction of the physician in charge.

*Physical Diagnosis*—A practical course in the methods of physical examination is conducted in the Dispensary during the Junior year. The course is a systematic one and the class is divided into small sections, thus permitting individual attention on the part of the instructors, and abundant exercise in the methods taught, on the part of the student.

*Neurology*—The systematic instruction in neurology is a part of the course in medicine of the Junior year. This is supplemented and extended in the Senior year by a course of clinical lectures, combined with demonstrations of the electrical and other special methods of diagnosis and treatment.

*Mental Diseases*—A course of recitations on insanity is given in the second term of the Senior year. These are combined with and illustrated by a series of clinics at the State Hospital for the Insane.

*Pediatrics*—The special instruction in children's diseases is given in a course of recitations during the first term of Senior year, and in the children's clinic at the Dispensary. In the Dispensary the first term is devoted to the demonstration of the development of the normal child and to special methods of examination, while the second and third terms are devoted to general clinical lectures and section work.

*Dermatology*—The instruction in this subject consists in a course of recitations and lectures during the first term of the Senior year, combined with clinical work which extends through the entire year. The clinical work of the first term is arranged to illustrate as far as practicable the topics treated in the class-room. During the second and

third terms two clinics are held weekly for the purpose of affording sufficient opportunity for the students to become familiar with the clinical appearances of the various diseases of the skin.

*Sanitary Science and Public Hygiene* receive attention in a course of lectures which include a study of the air, soil, water supply, sewage disposal, house construction and ventilation, personal and school hygiene, sanitary administration, and vital statistics.

*Medical Jurisprudence* is treated in a course of lectures especially from the standpoint of the medical practitioner. It includes his duties and privileges as defined by law, and general instruction concerning expert testimony, and the clinical, pathological, and chemical methods of making medico-legal examinations.

## SURGERY

The instruction in surgery extends through the Junior and Senior years, and includes instruction in the recognized surgical specialties.

*The Principles and Practice of Surgery*--In the Junior year the classroom instruction consists of a systematic course of lectures on general surgery. Clinical instruction is also begun at this time with attendance on the surgical clinics and operations at the Dispensary and Hospital.

In the Senior year, instruction in general surgery is continued in lectures on special topics during the second and third terms, but the major part of the instruction is clinical. In the Dispensary, the Seniors are assigned to the several surgical services in turn to act as clerks and assistants. In performing their duties as dressers and general assistants they have an excellent opportunity to become familiar with the practices of modern aseptic methods. Patients needing attention at their home are assigned to students, who are required as a part of their regular duties to visit them and to make full reports concerning them.

Clinics and ward classes are regularly held during the year at the New Haven Hospital. In them the students are shown selected cases during their whole stay in the Hospital, and are afforded an opportunity of studying the causes which necessitate operations, where such are necessary, of seeing the operations, and of observing the results of treatment.

*Operative Surgery*--The instruction in this subject extends through the first two terms of the Senior year. The first term is devoted to recitations and lectures, all of the more important operations of general surgery being studied in detail. In the second term, the class is divided into sections, which perform, under the guidance of the instructor, as many operations as can be conveniently executed on the

cadaver. Some few selected operations will be performed by the instructor as demonstrations before the whole class.

*Bandaging*—The art of applying bandages is taught during the second term of the Junior year in a practical course, which includes all the more useful methods.

*Orthopaedic Surgery* is taught in the Senior year by lectures on the etiology, symptomatology, diagnosis, and prognosis of deformities. In the discussion of treatment, special attention is paid to mechano-therapy (massage and gymnastics), mechanical appliances (bandages, casts, etc.), and orthopaedic apparatus, and to operative procedures. Clinical lectures and demonstrations are given during the second and third terms.

*Genito-urinary Surgery*—The special instruction in this subject is given in a course of recitations, with a demonstration of the instruments and appliances used in treatment. The clinical instruction is included in the work of the general surgical clinic.

*Ophthalmology*—The instruction in this subject is given in the Senior year. In the first term it consists in a systematic course of lectures and a practical course in the use of the ophthalmoscope, and in the various methods of determining refraction and motility. During the remainder of the year, attendance is required on the eye clinic, in which the students have an opportunity to witness the various operations on the eye. They also serve as assistants, and thus acquire facility in diagnosis and experience in treatment. Each student is also required to make an examination of a number of typical cases, and to present reports of them before the class.

*Otology, Rhinology, and Laryngology*—The didactic instruction in these subjects is given in a course of lectures and recitations, beginning in the second term of the Junior year, and continuing through the first term of the Senior year. The clinical work is given during the second and third terms of the Senior year. It begins with a manikin course on the technique of examinations of the ear, nose, and throat, after which the students receive individual instruction in the examination of patients and the simpler routine methods of treatment. In their work as assistants they gain facility and experience in these procedures. In the general clinic in this department all the major and minor operations are amply illustrated before the class.

#### REQUIREMENTS FOR ADVANCEMENT

Students are advanced from one class to the next by a vote of the Faculty, based on their standing in the examinations, and on the record of their work for the year.

The annual examinations are held in June in the studies of each year, and are open to students of the School and to candidates for admission to advanced standing. The subjects of the examinations of each class are fully shown in the statement of the curriculum. Examinations are also held just before the opening of the School year in October, in the studies of the First, Second, and Junior years; open only to students conditioned in June, and to candidates for admission to advanced standing. These autumn examinations are optional, and a fee is required for admission to them.

#### REQUIREMENTS FOR A DEGREE

To be eligible for the degree of Doctor of Medicine, every candidate must fulfill the following conditions:

I. He must be at least twenty-one years of age, and must sustain a good reputation for moral character.

II. He must have pursued medical studies for four years, and have been a student in this School for at least two years. If he has not pursued the four years' curriculum in this School, he must have taken such studies in some other recognized institution as are equivalent to the remainder of the full term of study.

III. He must have passed, to the satisfaction of the Faculty, the prescribed examinations of the course, and must have presented a satisfactory thesis on some subject relating to medicine. The thesis should be presented to the Dean on the third Wednesday before Commencement.

#### HONORS AND PRIZES

The degree of Doctor of Medicine *magna cum laude* will be conferred on students whose examinations and school work show distinguished merit.

The degree of Doctor of Medicine *cum laude* will be conferred on students whose examinations and school work show unusual merit.

THE CAMPBELL GOLD MEDAL is awarded to that member of the graduating class who secures the highest rank in the examinations of the course.



**THE KEESE PRIZE**—The income of the fund for the Keese Prize, a memorial of Hobart Keese, M.D., of the class of 1855, which amounts to about \$140 annually, is awarded by the Faculty to that member of the graduating class who presents the best thesis.

Any of these honors may be withheld at the option of the Faculty.

### FEEES AND EXPENSES

#### FIRST YEAR :

Matriculation (paid but once), . . . . .	\$ 5.00
Tuition, . . . . .	150.00
Practical Anatomy (including instruction and material), . . . . .	10.00

#### SECOND YEAR :

Tuition, . . . . .	\$150.00
Practical Anatomy (including instruction and material), . . . . .	5.00

#### JUNIOR YEAR :

Tuition, . . . . .	\$150.00
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#### SENIOR YEAR :

Tuition, . . . . .	\$100.00
Graduation, . . . . .	30.00

Laboratory deposits are required as follows: First year, Chemical Laboratory, \$5.00; Histology Laboratory, \$1.00. Second year, Pathology and Pharmacy Laboratories, \$2.00 each. Junior year, Pathology Laboratory, \$1.00. Senior year, Clinical Laboratory, \$2.00. These deposits are to cover the cost of apparatus broken by the student, and any excess above such breakage will be returned at the end of the course.

A rental fee of \$3.00 for the use of a microscope is charged in the laboratory courses of the First and Second years. Students may, however, supply their own microscopes, in which case this fee is remitted.

*These fees give entrance to all the instruction in the School, including not only the lectures and quizzes but the practical courses in all departments. The curriculum does not need to be supplemented by private quiz-classes.*

The matriculation fee is payable to the Dean on admission to the school. The tuition fees of the first three years are payable in installments of \$50.00 each; and are due on October 15th, February 1st, and April 15th, respectively. The fee for the Senior year is payable in two installments of \$50.00 each, on October 15th and February 1st, respectively. Fees are payable to the University Treasurer on or before the dates specified. If not then paid they will bear interest from the dates when due, and must then be paid to the Dean. The graduation fee is payable to the Dean three weeks before Commencement.

Students who do not pay in advance can continue their studies on depositing a bond of \$300, executed by a bondsman satisfactory to the Dean, from whom a form of bond can be obtained. No degrees can be conferred, nor any certificate of attendance of examination furnished, until all bills due the University are paid.

Students will be assisted in finding board and lodging by the Janitor of Medical Hall.\* Prices range from four and a half dollars a week upwards.

#### INSTRUCTION TO GRADUATE AND SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE IN MEDICINE

The instruction here offered to graduates in medicine is intended to meet the requirements of two classes of students: first, those who wish to review or supplement their knowledge of the regular studies of the medical curriculum, as taught in this School; and second, those who wish to fit themselves in special lines of medical work, or for the duties of a medical examiner, or for medico-legal and sanitary examinations.

*Special students* are not taken in the practical branches of medicine, but the general studies of the course are open to such persons as may desire to pursue them, if by their previous studies they are prepared to profit by the instruc-

\* Mr. William Blackwood, 146 York St.

tion. The charges for instruction will depend on the courses taken, and can be ascertained for any particular line of study by applying to the Dean.

For further information, address Professor HERBERT E. SMITH, Dean. Office hours from 10 to 12, Room No. 25, at the School, 150 York St.

# DEPARTMENT OF LAW

## (YALE LAW SCHOOL)

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### FACULTY

- ARTHUR T. HADLEY, LL.D., PRESIDENT  
HON. FRANCIS WAYLAND, LL.D., *Dean*  
HON. SIMEON E. BALDWIN, LL.D., *Professor of Constitutional and  
Mercantile Law, Corporations, and Wills*  
HON. WILLIAM K. TOWNSEND, D.C.L., *Professor of Contracts and  
Admiralty Jurisprudence*  
MORRIS F. TYLER, LL.B., M.A., *Professor of General Jurisprudence*  
THEODORE S. WOOLSEY, LL.B., M.A., *Professor of International Law*  
HON. DAVID TORRANCE, M.A., *Professor of Evidence*  
GEORGE D. WATROUS, D.C.L., *Professor of Contracts, Torts, and Estates*  
JOHN WURTS, LL.B., M.A., *Professor of Elementary Law, Real Prop-  
erty, and Trusts*  
GEORGE E. BEERS, M.A., M.L., *Assistant Professor of Elementary Law  
and Real Property*  
WILLIAM F. FOSTER, D.C.L., *Assistant Professor of Mercantile Law  
and Real Property, and Secretary*
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### SPECIAL LECTURERS AND INSTRUCTORS

- HON. EDWARD J. PHELPS, LL.D., *Lecturer on Equity and International  
Law*  
HON. NATHANIEL SHIPMAN, LL.D., *Lecturer on Jurisdiction of and Pro-  
cedure in the United States Courts*  
HON. HENRY C. ROBINSON, LL.D., *Lecturer on the Ethics of the Legal  
Profession*  
JACQUES DUMAS, LL.D., *W. L. Storrs Lecturer on Municipal Law*

- MARK BAILEY, M.A., *Instructor in Forensic Elocution*  
ALBERT S. WHEELER, M.A., *Instructor in Roman Law*  
ARTHUR M. WHEELER, LL.D., *Instructor in English Constitutional Law*  
WILLIAM G. SUMNER, LL.D., *Instructor in Political and Social Science*  
TALCOTT H. RUSSELL, LL.B., M.A., *Instructor in Municipal Corporations, Insurance and Taxation*  
HON. EDWARD D. ROBBINS, B.A., LL.B., *Lecturer on Medical Jurisprudence*  
PRES. ARTHUR T. HADLEY, M.A., *Instructor in Railway Management and Economics of Transportation*  
HON. EDWIN B. GAGER, B.A., *Instructor in Mortgages and Equity*  
THOMAS THACHER, LL.B., M.A., *Lecturer on Corporate Trusts*  
HON. SAMUEL O. PRENTICE, B.A., LL.B., *Instructor in Pleading*  
JAMES M. TOWNSEND, JR., B.A., LL.B., *Lecturer on Transfer of Monetary Securities*  
HON. GEORGE M. SHARP, LL.B., M.A., *Lecturer on Insurance*  
C. LARUE MUNSON, LL.B., M.A., *Lecturer on General Legal Practice*  
JAMES H. WEBB, S.B., LL.B., *Instructor in Criminal Procedure*  
ROGER FOSTER, LL.B., M.A., *Lecturer on Federal Jurisprudence*  
LEONARD M. DAGGETT, B.A., LL.B., *Instructor in Wills*  
HOWARD H. KNAPP, B.A., LL.B., *Lecturer on Connecticut Practice*  
CHARLES W. PIERSON, M.A., *Instructor in New-York Practice*  
PHILIP P. WELLS, B.A., LL.B., *Instructor in Evidence, and Librarian*  
ROBERT C. MORRIS, D.C.L., *Instructor in the French Codes*  
ANDREW T. BIERKAN, LL.B., *Instructor in Bookkeeping and Accounts*
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ERNEST H. WELLS, B.A., *Assistant Librarian*  
HORACE G. EASTBURN, B.A., *Assistant Librarian*  
WALTER D. MAKEPEACE, M.A., *Registrar*

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CHARLES H. HARRIMAN, LL.B., *Instructor of Quiz Clubs*

It is the aim of the School to give to all students in its regular undergraduate course a thorough acquaintance with the general principles and rules of American law, so as to fit them for the Bar of any State ; to extend to those who do not propose to become practicing lawyers but wish to pursue some particular branches of legal or political knowledge, such assistance as they may desire ; and to offer to advanced students further instruction in all that belongs to law as a science in its widest sense. Such instruction is given in an undergraduate course, a graduate course, and special courses.

The undergraduate course is mainly devoted to the practical side of legal education, but also gives an introduction to the general ideas and sources of jurisprudence. Graduate instruction is mainly confined to studies of a more scientific and philosophical character, such as General and Comparative Jurisprudence, Legislation and Government, Economics, Roman Law, the French Codes, and Private International Law. Students are at liberty to take a part of this course one year and part another year, being examined at the close of each year on the studies pursued, and dividing the tuition fees in like proportion.

The Law School building faces the Green, near the College Square. It has several large lecture rooms, and separate reading, conversation and consultation rooms for the use of the students. The building is within two blocks of the Court House of New Haven County, in which two terms of the Supreme Court of Errors of Connecticut are held annually ; while the Superior Court and Court of Common Pleas (the principal civil and criminal courts of the State) are also in session there almost daily during each of the School terms, thus affording the students peculiar facilities for observing actual practice in court.

The library of the School is open until nine in the evening, and students are encouraged to examine the books on the shelves for themselves, without the intervention of the librarian. The familiarity with the reports and authorities

thus gained the Faculty deem of great importance in accustoming the student to prepare his cases intelligently and thoroughly in his future practice.

A debating society—the Kent Club—gives a good opportunity for practice in public speaking, and the formation of class quiz-clubs, to meet in the Law School apartments, is also provided for. Those formed in the Junior year are under the special direction of competent instructors. The share of the School in the general advantages of the University gives the students many opportunities of broadening their views and acquiring knowledge in regard to matters outside of their strictly professional work. They may, on application to the Dean, obtain permission to be present at one or more of the special courses of instruction in the Department of Philosophy and the Arts, or the lectures on Anatomy, Insanity, etc., in the Medical School, on payment of a moderate fee.

#### COURSES OF INSTRUCTION

The regular course of study for candidates for the degree of LL.B. covers a period of three years. Bachelors of Arts of approved colleges may be permitted to complete the three years' course in two years, if they desire and are able to do so ; and the same privilege may be accorded to any others who in the judgment of the Faculty are qualified by natural abilities or previous training to undertake so arduous a labor. No student, however, can be allowed to proceed to the second year, unless his examinations at the close of the first year fully demonstrate his ability to take the remaining work of the second. A mere pass examination therefore will not be accepted as sufficient, except for admission to the middle class.

The general order of instruction, including both required and elective studies, is as follows :

## FIRST YEAR :

Outlines of American Law ; Lectures.	Criminal Law (Clark).
Elementary Law (Robinson).	Torts (Cooley).
Real Property.	Pleading (Heard's <i>Civil Plead-</i> <i>ing</i> ).
Contracts, Agency, and Mercan- tile Law (Parsons on Con- tracts).	Evidence (Reynolds' <i>Theory</i> ). Moot Courts.

*Elective*

English Constitutional Law ; Lectures.	Elocution ; Lectures and prac- tice.
Wills ; Lectures.	Commercial accounts, with practical instruction in book- keeping.
Construction of Contracts ; Lectures.	

## SECOND YEAR :

Real Property.	Principles of Contract (Benja- min).
Conveyancing ; practice.	Evidence (McKelvey).
Contracts (the remainder of Parsons).	Constitutional Law ; Lectures.
Equity (Bispham) ; and Lectures.	Practice in the United States Courts ; Lectures.
Private Corporations (Mora- wetz).	Fire Insurance ; Lectures.
Criminal Procedure (Clark).	Estates ; Lectures.
Code Pleading (Bryant).	Moot Courts.
<i>Habeas Corpus</i> , Taxation, and Judgments ; Lectures.	

*Elective*

Attachments ; Lectures.	International Law ; Lectures.
Elocution ; Lectures and prac- tice.	Medical Jurisprudence ; Lec- tures.
	Roman Law (Hadley).

## THIRD YEAR :

(At least twelve hours per week to be elected.)

Sales (Benjamin).	American Diplomatic History ; Lectures.
Wills (Schouler).	Practice in the United States Courts and Equity Pleading (Foster).
Municipal Corporations (Dillon).	Mortgages (Jones).
Evidence (Thayer's Cases).	General Jurisprudence (Hol- land).
The Law of Electricity ; Lec- tures.	Life Insurance ; Lectures.
Railroad Law (Baldwin's Cases).	
Patents ; Lectures.	
Admiralty (Benedict).	



Trusts (Perry).	Practice under the several State systems.
Railway Management ; Lectures.	New York practice.
Roman Law (Sohm).	Code Remedies (Pomeroy).
Moot Courts.	

## GRADUATE COURSE

## FOURTH YEAR :

*Elections from*

Roman Law, from the original sources.	English Constitutional Law.
General Jurisprudence.	Economics of Transportation.
Political Geography in its relations to Political History.	Public Finance : Labor Organizations.
Political History and Science ; Lectures.	Economic Policy : United States Financial History.
Comparative Jurisprudence.	Political and Constitutional History of the United States.
Conflict of Laws.	Medieval Institutions.

The courses above outlined are subject to change from time to time, and books should not be purchased until the work is entered upon.

The method of instruction is largely that of recitations. It is the conviction of the Faculty of this Department, as well as the tradition of the University, that definite and permanent impressions concerning the principles and rules of any abstract science are best acquired by the study of standard text-books in private, followed by the examinations and explanations of the recitation-room. Hence, although certain subjects are separately taught by lectures, either because the want of proper manuals, or the constant and rapid advance of learning, or economy of time, requires the adoption of that method, care is taken that the same topics as far as practicable shall be covered by recitation work in connection with the wider branches of the law to which they belong. The study and analysis of reported cases of special importance, illustrating the development of law in its leading branches down to the present time, are also required, and many of these are separately printed by the Department and used for more ready consultation in connection with the different courses of instruction. The recitation hours, however, are only in part devoted to questioning the student. While this is done with sufficient thoroughness to hold him up to his work of preparation, matters not fully treated in the text-book used are presented at greater length ; ample opportunity is also afforded for a free colloquial discussion of the subject of the lesson and for the presentation and solution of the difficulties which he may have encountered in his private study. In this manner each student

is brought into personal communication with the instructor in reference to his daily work, and as far as practicable, receives the benefits which would be obtained if he were placed under the individual tutorship of his professor.

The courses of study in Real Property include practical instruction in Conveyancing, in which the students are exercised in drawing all the instruments commonly employed in the transaction of business concerning real property.

The courses on Pleading embrace the subjects of Common Law and Code Pleading, both taught by recitation and examples, while the details of the latter are enforced by requiring the students to draw complaints, answers, etc., in the moot courts or in cases of their own selection, and to submit them to the instructor for criticism and correction. Special instruction is also open to each student as to the leading features of the system of pleading and conveyancing in use in the State in which he expects to practice; that on the New York code of civil procedure being continued through the greater part of the third year.

The course in Evidence embraces three years. Instruction during the first year is devoted entirely to the Theory of Evidence, it being the intention to develop logically the theoretical reasons for excluding *res inter alios*, hearsay, opinion and character, and for admitting facts deemed to be legally relevant, and to set forth the means whereby such facts are proved and their effect upon the issue when proved. In the second year, the theory thus taught is practically applied. McKelvey on Evidence is the text-book used, the principles being emphasized and illustrated by leading cases, and from the text of Greenleaf, Taylor, and other authors. So far as is possible, the student is placed in the position of an attorney actually engaged in the trial of a case and the practical difficulties and questions of preparation for trial are discussed. The third year takes the student still further into special lines of evidence. Attention is given to the more intricate branches and a thorough historical investigation is made into the decisions involving such subjects.

The course on International Law and Diplomacy extends over two years, and consists of lectures not only covering the general principles, but treating also of any questions involving their application which may be, for the time being, exciting public attention.

The course on Roman Law is based on Hadley's Introduction and Sohm's Institutes (English translation), and occupies one hour a week throughout the Middle and Senior year.

The graduate course is designed to afford to the advanced student an opportunity to round out his legal acquirements by a fuller investigation of the philosophic principles of human law. The primary concep-

tions to which he was introduced at the commencement of his studies are again taken up and developed in a scientific method, and examined in the light of various systems of practical jurisprudence now or heretofore prevailing. Roman Law is made the principal topic for those who desire the degree of D.C.L. The Institutes of Justinian and a considerable part of the Commentaries of Gaius are read. Illustrative cases are studied from the Digest, including some as treated in Eckert's *Chrestomathie*, and Hess's *Achtzehn Rechtsfälle*. Roby's *Introduction to the Digest* is used and leading titles of the Digest, Code and Novels made the subject of investigation.

The time given to Comparative Jurisprudence is ordinarily devoted to a study of the French Codes, compared with other systems of jurisprudence, particularly the Roman, English, and American, with the investigation of leading cases decided in the French and American courts.

The lectures on Political and Social Science, Economics, etc., are given in connection with the graduate courses in the Philosophical Department of the University, and are attended by the graduate students of the Law School in common with the members of that Department.

Besides these various exercises, the undergraduate students are required, from time to time, to draft contracts, wills, and other similar instruments, the work of each being reviewed and commented upon, either in public or in private, by the instructor. Public Moot Courts, besides those of the class quiz-clubs, are regularly held, at which one of the professors presides as judge, and the students acting as counsel, in the argument of cases, are required to draw the necessary pleadings, according to the common law or equity forms, as the case may be. Occasionally, also, cases are tried by the students before a jury of their own number, in a court regularly organized, with a full complement of judicial, clerical, and executive officers, where the proceedings are conducted in the same manner as in ordinary courts of law.

#### SPECIAL STUDENTS

Special studies may be taken by students who desire some acquaintance with law as a preparation for business pursuits, and also by those who, not intending to engage

in active business, desire to acquire an enlarged acquaintance with our political and legal systems and the rules by which they are governed. The Faculty will determine, in the case of each special student, the studies which he can most profitably pursue. A three-years' course may be thus arranged (comprehending Roman Law), at the conclusion of which the degree of Bachelor of Civil Law (B.C.L.) may be awarded. To special students, not taking this full course, certificates will be given, stating the time during which they have been connected with the School and the subjects on which they have passed examination. The Faculty will decide in what cases a preliminary examination will be required.

#### TERMS AND VACATIONS

There are two terms in each year. The first Term, beginning thirteen weeks from the day after Commencement, continues for twelve weeks (with a Thanksgiving recess covering Wednesday afternoon as well as Thursday): the second Term, beginning on the Tuesday after the first Thursday in January, continues until Commencement-day, with a Spring recess of eight days, including Easter.

#### REQUIREMENTS FOR ADMISSION

##### UNDERGRADUATE COURSE

Applicants for admission to the Junior Class must be at least eighteen years of age, and must produce certificates of good moral character.

No applicants who have not received a liberal education at some collegiate institution will be admitted to any class until they have passed satisfactory examinations in English Grammar and Composition, English Literature Geography, Arithmetic, Roman, English and American History, and the text of the Constitution of the United States, and have given evidence of their ability to read at sight the Latin of such authors as Caesar or Sallust

Those, however, will be excused from this examination, so far as English branches are concerned, who present a certificate that they have passed a "Regents' Examination for Law students," conducted under the authority of the Board of Regents of the University of the State of New York.

Applicants for admission to advanced standing, as candidates for the degree of LL.B., must be at least nineteen years of age, if they seek to enter the second-year class, and at least twenty years of age, if they seek to enter the third-year class; they will receive due credit for time previously spent in other Law Schools or under competent legal instructors in an office, and for the branches of study there pursued, and upon passing satisfactory examinations on their work already done (and the required preliminary examination in cases to which it applies) will be assigned to such classes as the Faculty may deem them qualified to enter. Attorneys at Law and graduates of other Law Schools will be allowed to enter, and will be so assigned, without examination, upon consideration of the studies they have pursued and the time which has thus been occupied.

#### GRADUATE COURSE

The Graduate Course can be completed in one year or in two years, according to the ability or the desire of the student. The conditions of admission are as follows:

It is open to graduates from any Law School having the degree of Bachelor of Laws (LL.B.), or Bachelor of Civil Law (B.C.L.), or Master of Laws (M.L. or LL.M.), provided they have spent not less than three years in all in the study of law. In computing that period one year of practice at the bar may be considered the equivalent of one year of study. Attorneys of law who have been actively engaged in practice at the bar for not less than five years, and who present a recommendation from one of the Judges of the highest courts of their State, may also be admitted to this course.

At least one year of residence is indispensable. The presentation of a graduating thesis may be deferred until the second year, and in such case it may be prepared *in absentia*.

No examination is required from those not intending to make Roman Law their major study, and they can, subject to the approval of the Faculty, substitute for it other legal studies (including such studies in the undergraduate course as they may not have previously pursued, or may desire to become better acquainted with), or studies in allied branches, such as Political Science, Diplomacy, and Public Finance. Those not graduates of the Yale Law School will be allowed, under the direction of the Faculty, to substitute topics taught here in the undergraduate course for a considerable part of the topics taught in the graduate course. Those who pursue successfully the graduate course will receive the degree of Master of Laws (M.L.).

In lieu of this degree that of Doctor of Civil Law (D.C.L.) may be conferred upon those who attain a high standard of proficiency and submit a thesis of marked excellence, evincing some original research ; provided they have been graduated at some collegiate institution as Bachelors of Arts, Philosophy, or Philology, or are graduates of the Yale Law School, who attained a prescribed standard of scholarship on their examination for their prior degree, or are graduates of other Law Schools presenting a certificate of distinction in scholarship from their former instructors.

The degree of D.C.L. will not be awarded to any one who has not made Roman Law his major study through this course.

All who propose to take the studies in Roman Law from the original sources must pass a preliminary examination upon the outlines of Roman Law and History (unless they received their degree at a Law School where Roman Law constituted one of their studies), and also in the Latin and either the French or German language. In the case of students from foreign and not English-speak-

ing countries, a good knowledge of the English language may be accepted as an equivalent for that of French or German.

The presentation of a satisfactory thesis, on an assigned or approved topic, is required as a condition of *every degree*.

### EXAMINATIONS

There will be an examination of candidates for admission to the Junior Class at the Law School in New Haven on the day after the University Commencement and also on the day before the opening of the Fall Term. In 1900 examinations for admission to the Junior Class will also be held on June 28,

in Albany, N. Y., at the Albany Academy ;  
Andover, Mass., at Phillips Academy ;  
Auburn, N. Y., at the High School ;  
Buffalo, N. Y., at the Central High School ;  
Chicago, Ill., at the Bryant & Stratton Business College, northwest corner Wabash avenue and Congress street ;  
Cincinnati, O., at the Hughes High School, 5th street, head of Mound ;  
Cleveland, O., at the University School ;  
Columbus, O., at the High School ;  
Concord, N. H., at St. Paul's School ;  
Denver, Col., at the East Denver High School ;  
Detroit, Mich., at the Central High School ;  
Easthampton, Mass., at Williston Seminary ;  
Exeter, N. H., at Phillips Academy ;  
Groton, Mass., at Groton School ;  
Kansas City, Mo., at the Kansas City High School, southeast corner of 11th and Locust streets ;  
Knoxville, Tenn., at the University School ;  
Lakeville, Conn., at the Hotchkiss School ;  
Lawrenceville, N. J., at the Lawrenceville School ;  
Louisville, Ky., at the Male High School ;  
Milwaukee, Wisc., at the Milwaukee Academy, 471 VanBeuren street ;  
New York City, at the Y. M. C. A. building, 23d st. and 4th av. ;  
Norwich, Conn., at the Free Academy ;  
Philadelphia, Pa., at the Eastburn Academy, 700 North Broad street ;

in Pittsburg, Pa., at Shady Side Academy ;  
Pomfret, Conn., at the Pomfret School ;  
Portland, Oregon, at the Bishop Scott Academy ;  
Pottstown, Pa., at the Hill School ;  
St. Louis, Mo., at the Board of Education building, corner 9th and  
Locust streets ;  
St. Paul, Minn., at the High School ;  
San Francisco, Cal., at the Urban School, 2124 California street ;  
Scranton, Pa., at the School of the Lackawanna ;  
Sing Sing, N. Y., at Dr. Holbrook's School ;  
Southborough, Mass., at St. Mark's School ;  
Tacoma, Wash., at the Tacoma Academy ;  
Washington, D. C., in the rooms of the Patent Law Association, in  
the Warder Building, S. E. corner of 9th and F streets, N. W.

Candidates who propose to be present elsewhere than at New Haven are requested to communicate with Professor William F. Foster, Secretary of the Faculty, before June 15. A fee of five dollars (payable at the opening of the sessions) is charged for admission to examinations outside of New Haven.

Examinations of candidates for admission to advanced standing are held towards the end of the Second Term, and at the beginning of the First Term. Examinations for degrees are held only at the close of the Second Term. To students who, after two years of residence at the School, pursue their studies for a third year elsewhere, and return for their final examinations for a degree, a fee of \$15 for such examinations will be charged.

The examination for admission to the graduate course of those intending to make Roman Law their study will be held on the day after the University Commencement, beginning at 9 A. M. in the Law School Building. This examination will cover reading Latin at sight and one of the modern languages required ; also the outlines of Roman Law and History, in the case of those not graduates of some institution where these were regularly taught and where they passed a satisfactory examination in these studies.



## LIBRARY, PRIZES, Etc.

The special Library of the Department, which has a permanent endowment for its support (the English Fund, established by the Hon. James E. English, M.A., in 1873), contains about ten thousand volumes, and is open daily and in the evening during term time. It embraces all the reports of Great Britain and America, with an extensive collection of text-books, and the leading legal periodicals. The students can also draw books from the general University libraries, containing about 300,000 volumes.

The following prizes are open to competition :

The JOSEPH PARKER PRIZE (established by the will of Miss Elizabeth Parker in 1898), of one hundred dollars, for the best thesis on a subject connected with Roman Law, presented by any member of the School at graduation from either the undergraduate or graduate course.

The TOWNSEND PRIZE (established by the Hon. James M. Townsend, in 1874), of one hundred dollars, to that member of the Senior Class who shall write and pronounce the best oration at the public anniversary exercises on graduation.

The JEWELL PRIZE (established by the Hon. Marshall Jewell, M.A., in 1871), of fifty dollars, to that member of the Senior Class who receives the highest marks at his annual examination.

The EDWARD THOMPSON COMPANY PRIZE: A set of the first or of the second edition of the Encyclopaedia of Law, or a set of the Encyclopaedia of Pleading and Practice, as the successful competitor may elect, to that member of the Middle Class who shall pass the best examination in the required and optional studies of that year.

The BETTS PRIZE (established by Frederic H. Betts, M.A., in 1875), of fifty dollars, to that member of the Junior Class who receives the highest marks at his annual examination.

The MUNSON PRIZE (established by C. LaRue Munson, LL.B., M.A., in 1890), of fifty dollars, for the best graduating thesis by a member of the Senior Class.

The WAYLAND PRIZES (established by Professor Francis Wayland in 1890), one Prize of fifty dollars, one Prize of thirty dollars, and one Prize of twenty dollars, to those three members of the Yale Kent Club who, at a public competitive debate, are pronounced first, second, and third in excellence as debaters.

#### DEGREES

In the undergraduate course, the degree of Bachelor of Laws or Bachelor of Civil Law, as the case may be, is conferred by the Corporation, upon the recommendation of the Faculty of the Department, on all students who, having finished the prescribed courses of study, have passed satisfactory examinations thereon, and have submitted to the Faculty a creditable thesis on some designated legal subject. In the graduate course the degrees of Master of Laws (M.L.) and Doctor of Civil Law (D.C.L.) are conferred under the conditions already specified on pp. 339-40.

Degrees are awarded, in cases of students of unusual merit, *cum laude*, *magna cum laude*, or *summa cum laude*.

#### EXPENSES

The fees for tuition and use of the University and Law libraries are, in the regular undergraduate course, forty-five dollars for the First Term and eighty dollars for the Second Term, if paid each term, or one hundred and ten dollars for the entire year (if paid in advance); and in the graduate course, eighty dollars for the First Term and one hundred and forty dollars for the Second Term, if paid each term, or two hundred dollars for the whole year (if paid in advance). Tuition fees, whether paid by the term or for the year, must be paid to the Treasurer of the University in advance, or secured by a bond with surety to his satisfaction; and where payment is not made in advance, interest will be added. The fee for graduation is five dollars.

The tuition charges for special students vary in proportion to the amount of instruction and supervision required.

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Board and lodgings can be obtained at prices ranging from five dollars a week upwards.

For further particulars, inquiries may be addressed to Professor Francis Wayland, Dean of the Faculty.

## LIBRARIES

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ADDISON VANNAME, M.A., *Librarian*

FRANKLIN B. DEXTER, M.A., *Assistant Librarian*

J. SUMNER SMITH, B.A., *Assistant Librarian*

ANDREW KEOGH, *Librarian of Linonian and Brothers Library*

ANNIE E. HUTCHINS, *Assistant*

HENRY R. GRUENER, *Assistant*

Mrs. HENRIETTA C. GILBERT, *Assistant*

Mrs. JESSIE C. HARGER, *Assistant*

GEORGE A. JOHNSON, *Assistant*

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The Standing Committee in charge of the Library, appointed by the Corporation, consists of President HADLEY, Professors SALISBURY, DAY, FISHER, LOUNSBURY, DANA, SEYMOUR, and FARNAM, and the Librarian.

The whole number of volumes in the several libraries of the University is about 300,000.

The UNIVERSITY LIBRARY contains about 253,000 volumes and many thousands of unbound pamphlets. For some years past the average annual increase has been more than 5,000 volumes. Of current periodical publications, including publications of learned societies, the Library receives an unusually large number, the foreign serials alone being not less than five hundred. While designed especially for the use of the officers, resident graduates, and students of the several Departments of the University, other persons may have the privilege of consulting and, by permission of the Library Committee, of drawing books. The Library is open daily, except Sundays, in term-time, from 9 A. M. to 5 P. M.; the reference-library and reading-room is open until 9 P. M. In the Winter vacation and through July the Library is open during the morning hours, and in the rest of the Summer vacation on Monday, Wednesday, and Saturday mornings.

The new library building, erected by the munificence of the late Hon. Simeon B. Chittenden, of Brooklyn, N. Y., began to be occupied in 1890.

The LINONIAN AND BROTHERS LIBRARY, occupying the south wing of the old Library building, contains about 22,000 volumes, to which additions of several hundred volumes, chiefly of the best current literature, are annually made. It is designed primarily for the use of the students, and is open in term-time, daily, except Sundays, from 9 A. M. to 5 P. M. In vacations it is open on Monday, Wednesday, and Saturday mornings.

In addition to the periodicals received at the University Library, there will be found in the Reading room (in the north wing) fifty-five daily newspapers, American and foreign, fifty-seven weeklies, and seventy-four other periodicals. This is open daily in term-time from 9 A. M. to 8 P. M. (on Sundays from 1.30 to 8 P. M.).

In Dwight Hall, which is open daily from 8 A. M. to 9 P. M., will be found forty-five newspapers and periodicals, mostly religious, and a library of nearly 1,000 volumes, selected mainly with reference to the study of the Bible.

The LAW LIBRARY, containing about 10,000 volumes, among which are included complete sets of the English, American, Irish, and Canadian Reports, is on the third floor of the Law School Building; it is open daily, until 9 P. M., in term-time.

The SHEFFIELD SCIENTIFIC SCHOOL LIBRARY, in Sheffield Hall, is a valuable collection of about 5,000 volumes, chiefly mathematical.

The TROWBRIDGE REFERENCE LIBRARY of the Divinity School, in Bacon Memorial Hall, contains over 3,000 volumes of standard and recent theological literature. It is open in term-time in the afternoons and evenings.

The LOWELL MASON LIBRARY OF CHURCH MUSIC, in West Divinity Hall, is accessible to those interested in the study of this subject. It embraces about 8,000 titles in 4,000 volumes.

The LIBRARY OF FOREIGN MISSIONS, in East Divinity Hall, contains over 5,000 volumes, with all the leading missionary periodicals.

The Art School has a Library of about five hundred volumes.

The Library of the Medical School is incorporated in the University Library.

The Library of the American Oriental Society, consisting of about six thousand books and manuscripts, is deposited in the University Library building.

# PEABODY MUSEUM OF NATURAL HISTORY

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## TRUSTEES

PROFESSOR EDWARD S. DANA, PH.D., *Chairman*  
THE GOVERNOR OF CONNECTICUT, *ex-officio*  
PROFESSOR GEORGE J. BRUSH, LL.D.  
HON. WILLIAM C. WHITNEY, LL.D.  
HON. GEORGE PEABODY WETMORE, M.A.  
PROFESSOR CHARLES E. BEECHER, PH.D.  
CORNELIUS VANDERBILT, B.A., PH.B.

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## CURATORS

CHARLES E. BEECHER, PH.D., *Curator of the Geological Collection*  
ADDISON E. VERRILL, M.A., *Curator of the Zoological Collection*  
EDWARD S. DANA, PH.D., *Curator of the Mineralogical Collection*

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In 1866, George Peabody, of London, but of Massachusetts birth, entrusted to a board of Trustees, selected by himself, the sum of \$150,000, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy, in connection with Yale College." Of this sum, \$100,000 was devoted by Mr. Peabody to the erection, "on land to be given for that purpose by the President and Fellows of Yale College, of a fire-proof building," "planned with special reference to its subsequent enlargement," to be, "when completed, the property of Yale College." Of the remainder of the gift, \$20,000 was set apart to "accumulate as a building fund" and \$30,000 to meet by its income from investment the expenses attending "the care of the Museum, the increase of its collections, and the general interests of the departments of science before named."

Ten years later, in 1876, the first wing of the Museum—the part now standing—was completed and furnished with

cases at a cost of \$175,000, the whole outlay being met by the accumulated building fund. The central part of the projected structure and the South wing—which will extend it to Library street—remain to be built whenever the means available for the purpose shall be adequate. The central part is much needed, as only a small part of the specimens secured can now be placed on exhibition.

The first floor of the building is devoted to the department of Mineralogy and to the purposes of a large lecture-room. The minerals occupy cases in the west room, the door of which fronts the entrance to the Museum. The minerals of the Gibbs collection, deposited by Col. George Gibbs with the College in 1809-10, and purchased in 1825 at a cost of \$20,000, and the extensive accumulations since made, are here preserved and for the most part on exhibition, making it one of the largest public collections in the country. Besides minerals, the exhibition-room contains one of the largest collections of meteorites in the country; among the specimens, there are the famous mass of meteoric iron from Texas, weighing 1635 pounds; some hundreds of meteorites, large and small, all of which came from a single fall in Iowa, in May, 1879; the interesting Weston meteorite, which fell in Weston, Connecticut, in 1807, and was soon after described at length by Professors Silliman and Kingsley; besides many others of special interest. An important recent addition is a collection of meteorites, numbering nearly one thousand, which came from the great meteoric fall of May 2, 1890, in Winnebago County, Iowa; still another is the Jerome (Gove Co.), Kansas, meteorite weighing 65 pounds. A case in the center of the room contains the large and beautiful collection of Chinese artistic work in stone, chiefly in jade and agate, with other like objects, bequeathed by Dr. S. Wells Williams, who was for forty-three years in China as Christian philanthropist, editor, author, and attaché to the American legation, and for some years before his decease was the Professor of Chinese in the University. A large



room on the same story is arranged for mineralogical and blowpipe instruction, with desks and a students' cabinet of minerals, under the charge of Professor Penfield. An adjoining room contains the laboratory of physical mineralogy and petrology; also the library and cabinet of Professor Brush, which add greatly to the means of study and investigation in Mineralogy.

The second floor is given up to Geology and Paleontology. The southern room contains vertebrate fossils. The latter are mostly collections made by Professor Marsh, in the Rocky-Mountain region and other parts of the West, and presented to the University. In this room the first horizontal case to the left of the entrance contains specimens of toothed birds, mainly *Hesperornis* and *Ichthyornis*, discovered by Professor Marsh in the Cretaceous rocks of Kansas. Near by, in the first vertical case against the wall, are the bones of a large Mastodon from the Post-Pliocene of southern New York. In the second wall-case on the east side are the huge bones of the Miocene *Brontotheridae* from Dakota and Nebraska. In the two wall-cases at the southeastern corner are remains of the *Dinocerata*, large horned mammals from the Eocene of Wyoming. In the horizontal case adjoining may be seen two skeletons of gigantic Moas (*Dinornis*), extinct birds from New Zealand. In the center of the room are part of the bones of an enormous Dinosaur (*Brontosaurus*), sixty feet in length, from the Jurassic of Wyoming, and a large slab, standing vertically, showing the skeleton of a Mosasaur from the Chalk of Kansas. Behind this is a case containing the nearly complete skull of *Triceratops*, a gigantic Dinosaur from the Cretaceous of Wyoming. The horizontal case to the right of the entrance and the wall-case adjoining it on the west contain the remains of another Jurassic Dinosaur (*Stegosaurus*), about thirty feet long, which, as the specimens show, had a series of very large vertical plates along the back, and four pairs of immense spines on the tail. In the lower part of

the next vertical case lies part of a thigh bone of *Allantosaurus*, the largest of Dinosaurs and of land animals yet known. A horizontal case on the south side of the room contains the feet of various animals, and among them the bones of the feet of three-toed and four-toed horses from the Tertiary of Nebraska and Wyoming. In the wall-case south of this are remains of the extinct Irish Elk, and over the case is the skull with the large antlers complete. At the southwestern corner of the room, the wall-cases contain the bones of *Morosaurus*, another Jurassic Dinosaur. In the adjoining horizontal case is a series of Eocene fishes from Utah, together with three skeletons of Dinosaurs from the Connecticut River sandstone, near Manchester, Connecticut, and a portion of the armor of a crocodilian reptile from New Haven.

The western exhibition-room is occupied mainly by a collection of invertebrate fossils, arranged zoologically. The first vertical case on the south is devoted chiefly to fossil sponges, among which the series of *Brachiospongidae* is the most notable. Then follow two cases of corals, with many fine examples from Kentucky, Ohio, and New York. The nine succeeding cases contain collection of crinoids, trilobites, crustacea, bryozoa, and fossil shells. Two large wall-cases on the eastern side of the room exhibit slabs and tablets of crinoids, mostly from Indiana. A third wall-case encloses a large slab measuring four by six feet, showing nearly thirty species of fossils represented by upwards of one hundred and forty individuals. One table-case contains many type specimens illustrating the development, structure, and classification of Trilobites, and a second is devoted to recent brachiopods, of which the museum has an extensive collection. On the floor is a series of large fossil trunks of Cycads from the Black Hills. In a corner wall-case, there are smaller specimens of Cycads, and thin sections on glass illustrating the structure of the fruit and male flower.

Of the large collection of foot-prints belonging to the University, only a few fine slabs are on exhibition, part of

them in each of the two exhibition-rooms of the second story. One of the most interesting is a slab about twelve feet long, covered throughout with raindrop impressions, and, besides these, two series of foot-prints of biped reptiles, one line of them extending the whole length of the slab.

The third story is occupied with the zoological collections, so far as there is room for their exhibition. The general zoological collection occupies the western room ; and nearly the whole has been accumulated since Professor Verrill took charge of the department. The specimens are well arranged for exhibition and all labelled. Facing the south door stands a vertical case devoted to the Sponges, among which are many species of the siliceous or glass sponges (*Euplectella*, etc.). Beyond the sponges, twelve cases are filled with the collection of corals, which is one of the most extensive in the country. These are followed by the Echinoderms, etc. Several cases are devoted to a collection of the marine invertebrates of New England, which is nearly complete. Other cases contain special collections of the shells and corals of the Pacific Coast of America ; of the corals of Bermuda ; of the shells of Florida, etc. The collections are rich in species from the deep-sea dredgings in the Atlantic, but only a small part is on exhibition. Overhead are models of two of the huge Cephalopods of the world : one, of twice the natural size, an Octopus from California, 28 feet in diameter (between the tips of the opposite arms), and the other, of natural size, a species of the Newfoundland seas, related to the Squids, having enormous eyes, and a length, from the posterior extremity to the tips of the longer arms, of 42 feet. The models were made for the zoological department by Mr. J. H. Emerton.

The southern exhibition-room of the zoological story contains a collection of skeletons in cases on its east and south sides, beginning near the door. These were presented by Professor Marsh. The skeletons of mammals, begin-

ning with man and the apes, occupy all the east side; and then come the birds, reptiles, and fishes. The rest of the cases are occupied with collections of vertebrates, both mounted and alcoholic, and include a nearly complete series of the species inhabiting New England.

The second and third stories have also large laboratories and workrooms, devoted to the department represented in the exhibition-rooms of the story. Those of the second or geological story are in charge of Professor Beecher; and those of the third or zoological story, besides serving for workrooms, are for the laboratory exercises and instruction of students in General Zoology under Professor Verrill. These rooms contain also large collections of specimens arranged in drawers and trays, which are open to special students in the department.

In the fourth story is a large Archæological collection, recently presented to the University by Professor Marsh. As the funds of the Museum are restricted to the departments of Mineralogy, Geology, and Zoology, the cases of the old Yale Cabinet were fitted up for this collection. The other rooms on the fourth floor and in the attic are in use for storage purposes.

The basement is devoted to workrooms and storerooms, and contains a vast amount of specimens, in the departments especially of Paleontology and Zoology. This part of the building is closed to visitors.

The exhibition-rooms are open from 9 A. M. to 6 P. M., except in the winter, when the hours are from 9 A. M. to 5 P. M. The janitor of the building is Mr. J. Rice, 92 High street.

# THE OBSERVATORY

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THE OBSERVATORY has been built from the avails of the gift of the late Hon. Oliver F. Winchester, of New Haven, on land given by the late Mrs. Cornelia L. Hillhouse and her daughters. The principal astronomical instruments now in use are a six-inch Heliometer constructed by Messrs. Repsold, of Hamburg, an eight-inch Equatorial by Messrs. Grubb, of Dublin, given by the late Mr. Edward M. Reed, of New Haven, and an equatorially mounted set of Cameras for photographing meteors.

Besides its ordinary astronomical work, the Observatory maintains two public services. Continuous time-signals are transmitted from the distributing clock at the Observatory to the railroads and other parties. The Observatory offers facilities also to persons interested in accurate thermometry for the comparison of thermometers with standard instruments.

For the proper performance of these services the following equipment is in use:

1. Standard clocks, a transit instrument, chronographs, and the accessories for refined accuracy in the determination and transmission of time.

2. Apparatus for research and comparison in thermometry, including a collection of the best thermometers obtainable of the foreign makers and observatories which devote special attention to thermometric standards.

Descriptive circulars of the thermometric service may be obtained by addressing the Observatory.

By the will of Professor Elias Loomis, who died in 1889, the Observatory receives one-third of the income, and will ultimately receive the entire income, of a fund established by him and called *the Loomis Fund*. The income received is to be applied to one or more of the following objects only, namely, the payment of the salaries of observers whose time is exclusively devoted to the making of observations for the promotion of the science of astronomy, the reduction of astronomical observations, and the defraying the expense of publishing these observations and of publishing investigations based upon astronomical observations. The principal of the Loomis Fund is over three hundred thousand dollars.

## UNIVERSITY PRIZES

The JOHN A. PORTER PRIZE, of the value of two hundred and fifty dollars, established by the Kingsley Trust Association in 1872, is offered for the best English Essay on a prescribed subject. Competing essays must be handed in after the close of the Spring Recess, and the award will be announced on Commencement Day. Any person who has been pursuing a regular course for a degree in any Department during the whole of the current College year, may compete for this prize. If none of the competing essays is of sufficient merit, the prize will not be awarded.

The subjects for Essays in 1900 are as follows :—

1. The French Abbé of the old Régime—a social study.
2. Will England retain India?
3. A critical Study of the Claims of the Anglo-Saxon Race to Superiority over other Races.
4. The Accommodation of the Constitution of the United States to their new Conditions.
5. The Doctrine of the Dred Scott case and its Historic Results.
6. The Bequests of the 19th Century to the 20th Century.
7. Politically Orthodox Education.
8. The Czar's Peace Congress.
9. The Ideal of an American College Education.
10. Sir Walter Scott and Alexander Dumas the Elder—a comparative study.
11. The True Nature of the English Reformation.
12. William Morris—His Ideals, his Work and his Influence.
13. The Interaction between Greek and Hebrew Ethics before Christ.
14. The Jewish Conception of the Divine Wisdom.
15. Pantheistic Elements in Modern Theological Thought; their origin and significance.
16. A Critical Study of the Accounts of the Resurrection of Christ.

The essays, which should be signed by an assumed name and accompanied by a sealed envelope containing the writer's full name, will be due on May 1, in the care of the Editor of the Yale Alumni Weekly, P. O. Drawer M, New Haven. Special information concerning the competition may be secured by sending to this address.

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The DANIEL C. EATON GRADUATE SCHOLARSHIP IN BOTANY is endowed with the income of a fund of two thousand dollars, given by Mrs. Eaton in 1897 to found a Graduate Scholarship in Botany in commemoration of her husband, the late Professor Daniel C. Eaton. This scholarship, in the graduate department, will be open for competition to members of the Senior Classes in the Academic and Scientific departments, on conditions to be prescribed by the Governing Board of the Sheffield Scientific School.

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The BENNETT PRIZE, being the income of a fund of one thousand dollars, given in 1893 by James Gordon Bennett, Esq., of New York City, is awarded annually on Commencement Day to that undergraduate member of the Senior class in either the Academical Department or the Sheffield Scientific School, who shall have pursued courses in Political Science and English Literature, and shall have prepared the best essay, in English prose, upon some subject of contemporaneous interest in the domestic or foreign policy of the United States government, selected by the Faculty.

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A PRIZE of fifty dollars is offered by Professor Cook for the best unpublished poem which shall be submitted by the writer on or before April 1, 1900. Competition is open to students of the University in all departments. If none of the competing poems is of sufficient merit, the prize will not be awarded.

The poems, which should be signed by an assumed name, and accompanied by a sealed envelope containing the writer's full name, will be due on April 15, and may be handed in at the Chittenden Library.

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The COBDEN CLUB SILVER MEDAL is awarded annually to that undergraduate of either the Academical Department or the Sheffield Scientific School who shows the greatest proficiency in the elements of Political Economy.



# LISTS OF STUDENTS

## DEPARTMENT OF PHILOSOPHY AND THE ARTS

### GRADUATE SCHOOL

[Students marked "A." are pursuing courses of study in absence under the direction of the Faculty for the degree of Master of Arts, Mechanical Engineer, or Civil Engineer.]

Elizabeth Frances Abbe, M.A. } Wellesley College 1888	<i>Dorchester, Mass.</i>	37 Howe st.
Harriet Elizabeth Abbott, B.A. } Vassar College 1895	<i>Waterbury, Conn.</i>	Waterbury
Clarence Alfred Alexander, LL.B. } Yale University 1899	<i>Dayton, O.</i>	333 York st.
Robbins Battell Anderson, B.A. } Yale University 1899	<i>Duluth, Minn.</i>	A.
William Gilbert Anderson, M.D. } Western Reserve Univ. 1883	<i>Cleveland, O.</i>	120 College st.
Henry Cotheal Andrews, B.A. } Yale University 1899	<i>Fishkill, N. Y.</i>	217 York st.
William Lucius Armstrong, B.A. } Yale University 1889, M.D. Columbia Univ. 1893	<i>New York City</i>	A.
Kan-Ichi Asakawa, B.L. } Waseda College, Japan 1895, Dartmouth College 1899	<i>Fukushima, Japan</i>	105 Park st.
Martha Austin, B.S. } Smith College 1892, Ph.D. Yale Univ. 1898	<i>Easthampton, Mass.</i>	58 Grove st.
Nathaniel Terry Bacon, Ph.B. } Yale University 1879	<i>Peacedale, R. I.</i>	Peacedale
Thomas Nelson Baker, B.A. } Boston University 1893, B.D. Yale University 1896	<i>Eastville, Va.</i>	35 Foote st.
DeForest Baldwin, B.A. } Yale University 1899	<i>New Haven, Conn.</i>	260 Crown st.
Ernest Hickok Baldwin, B.A. } Yale University 1891	<i>Cheshire, Conn.</i>	150 Grove st.

Cecil Kittredge Bancroft, B.A. } Yale University 1891	Andover, Mass.	213 D.
Amy Louise Barbour, B.A. } Smith College, 1891	Hartford, Conn.	70 Whalley av.
Franklin Whitehead Barker, B.A. } University of New Brunswick 1892, Bangor Seminary 1893	Harvey, N. B.	46 E. D.
James Foote Barnett, B.A. } Yale University 1891	Grand Rapids, Mich.	A.
Joseph Barrell, M.S. } Lehigh University 1897	New Providence, N. J.	373 Crown st.
Samuel Eliot Bassett, B.A. } Yale University 1898	New Haven, Conn.	41 Lynwood st.
Birdie Iva Beals, PH.B. } Univ. of Washington 1898	Seattle, Wash.	342 Crown st.
Alling Prudden Beardsley, B.A. } Wesleyan University 1898	Derby, Conn.	Derby
Alexander Garner Bentley, B.A. } Yale University 1896, M.A. Yale University 1899	Washington, D. C.	A.
Clarence Wyatt Bispham, B.A. } Amherst College 1888, M.A. Amherst College 1891,	New Haven, Conn.	284 Orange st.
John Joseph Blythe, M.A. } Ohio Wesleyan University 1897, B.D. Wes. Theol. Coll., Montreal 1899	Montreal, Canada.	75 W. D.
Malcom Booth, PH.B. } Yale University 1879	New Haven, Conn.	12 Gill st.
Thomas Contee Bowie, PH.B. } Univ. of N. Carolina 1899	Venus, N. C.	96 S. M.
Walter Minor Bradley, PH.B. } Yale University 1899	New Haven, Conn.	1346 Chapel st.
Mary Cleaveland Bradford, PH.B. } Mt. Holyoke College 1871, Syracuse University 1887	Rutland, Vt.	70 Howe st.
William Edwin Breckenridge, B.A. } Yale University 1893	Montclair, N. J.	A.
Halbert Hains Britan, B.A. } Hanover College 1898	Hanover, Ind.	342 George st.
Wilton Everett Britton, B.S. } New Hampshire College Agric. 1893	New Haven, Conn.	1317 Boulevard
James Ansel Brooks, PH.B. } Yale University 1898	Derby, Conn.	Derby
Ernest William Brown, PH.B. } Yale University 1897	New Haven, Conn.	106 Sherman av.
William Adams Brown, B.A. } Yale University 1886, M.A. Yale University 1888	New York City	New York

Abraham Royer Brubacher, B.A. } Yale University 1897	<i>Shaefferstown, Pa.</i>	20 Carmel st.
Arthur Bumstead, B.A. } Yale University 1895	<i>Roxbury, Mass.</i>	54 E. D.
Otis Gridley Bunnell, PH.B. } Yale University 1892	<i>Burlington, Conn.</i>	92 York sq.
Frank Scott Bunnell, B.A. } Yale University 1894	<i>Stratford, Conn.</i>	31 Whalley av.
Eugene Watson Burlingame, B.A. } Yale University 1898	<i>Albany, N. Y.</i>	A.
Katherine Jeannette Bush	<i>New Haven, Conn.</i>	133 Howe st.
Harold Edgar Buttrick, B.A. } Yale University 1894	<i>Brooklyn, N. Y.</i>	A.
Henry Seidel Canby, PH.B. } Yale University 1899	<i>Wilmington, Del.</i>	86 Wall st.
George Peabody Chandler, B.A. } Yale University 1895	<i>Germantown, Pa.</i>	46 College st.
Joseph Hayes Chandler B.A. } Yale University 1877	<i>St. Paul, Minn.</i>	343 Quinpiac st.
William Woods Chandler, B.A. } Yale University 1896	<i>New Haven, Conn.</i>	31 High st.
George Millet Chase, B.A. } Bates College 1893	<i>Lewiston, Me.</i>	10 Ashmun st.
William Churchill, B.A. } Yale University 1897	<i>New Britain, Conn.</i>	100 W. D.
Charles Upson Clark, B.A. } Yale University 1897	<i>Brooklyn, N. Y.</i>	Rome, Italy
Marion Warner Clark, B.A. } Mt. Holyoke College 1890	<i>Saybrook, Conn.</i>	78 Lake pl.
Thomas Ludlow Clarke, B.A. } Yale University 1897	<i>New York City</i>	A.
Herdman Fitzgerald Cleland, B.A. } Oberlin College 1894	<i>Pierce, Nebr.</i>	109 Elm st.
Frederick Sears Coe, PH.B. } Yale University 1899	<i>Newark, N. J.</i>	
Henry Sloane Coffin, B.A. } Yale University 1897	<i>New York City</i>	A.
Hamlet Paul Collins, B.S. } Rutgers College 1899	<i>New Brunswick, N. J.</i>	73 Lake pl.
Winfield Hazlitt Collins, B.A. } Western Maryland College 1894	<i>Reeds Grove, Md.</i>	25 High st.
Molton Avery Colton, B.A. } Yale University 1898	<i>New Haven, Conn.</i>	90 S. M.
Elizabeth Mary Comstock, B.A. } Indiana State Univ. 1892	<i>Richmond, Ind.</i>	74 Lake pl.
Lewis Roberts Conklin, B.A. } Yale University 1896	<i>Monroe, N. Y.</i>	A.
Charles Montague Cooke, Jr., B.A. } Yale University 1897	<i>Honolulu, H. I.</i>	112 College st.

Alberta Linton Corbin, B.A. } Univ. of Kansas 1893	Lawrence, Kansas	89 Whalley av.
William Lee Corbin, B.A. } Amherst College 1896	Norfolk, Conn.	116 W. D.
Jane Coughlin, PH.B. } Wesleyan Col. 1897	Bridgeport, Conn.	Bridgeport
James Judson Crossley, M.A. } State University of Iowa 1897	Winterset, Iowa	128 Howe st.
Charles Edward Curtis, PH.B. } Yale University 1888	New Haven, Conn.	254 Prospect st.
Eleanor Evelyn Cutler, B.A. } Smith College 1892	New Haven, Conn.	284 Orange st.
George Barton Cutten, B.A. } Yale University 1897	Amherst, Nova Scotia	80 First st.
Moreau Delano, B.A. } Yale University 1898	New York City	A.
Elizabeth Street Dickerman, PH.D. } Yale University 1896	New Haven, Conn.	140 Cottage st.
Sherwood Owen Dickerman, B.A. } Yale University 1896	New Haven, Conn.	140 Cottage st.
Louise Dodge	Danvers, Mass.	77 Grove st.
George Francis Dominick, Jr., B.A. } Yale University 1894	New York City	A.
Richard Julian Donnelly, PH.B. } Yale University 1899	Oxford, N. Y.	149 College st.
Edgar Selah Downs, B.A. } Yale University 1898	Southington, Conn.	128 Howe st.
Mary Dunham, B.A. } Indiana University 1898	North Richmond, Ind.	74 Lake pl.
Guy King Dustin, PH.B. } Yale University 1899	Hartford, Conn.	51 Prospect st.
John Eastlund, B.S. } Bethany College 1898	Lindsborg, Kansas	16 Hughes pl.
Jay Glover Eldridge, B.A. } Yale University 1896, M.A. Yale University 1899	Penfield, N. Y.	102 N.
Hollon Augustine Farr, B.A. } Yale University 1896	Athol, Mass.	170 F.
Horace Jewell Fenton, B.A. } Yale University 1899	Willimantic, Conn.	90 Park st.
George Willis Field, B.A. } Yale University 1899	New York City	A.
Emily Howard Foley, B.A. } Wellesley College 1893	St. Louis, Mo.	84 Wall st.
William Ebenezer Ford, Jr., PH.B. } Yale University 1899	New Haven, Conn.	16 Lynwood st.
Joseph Fogelberg, B.A. } Bethany Col. 1899	Lindsborg, Kans.	59 Prospect st.

John Francis Flynn, B.A. } Yale University 1899	<i>Meriden, Conn.</i>	166 York st.
Allyn King Foster, TH.M. } So. Baptist Theol. Sem. 1894	<i>New Haven, Conn.</i>	108 High st.
Isabella Graham Foster, B.A. } Vassar College 1899	<i>New Haven, Conn.</i>	220 Orange st.
Charles Root Fowler, B.A. } Yale University 1899	<i>New Haven, Conn.</i>	308 Humphrey st.
Frederic Henry Beecher Fowler, PH.B. } Yale University 1899	<i>New Haven, Conn.</i>	308 Humphrey st.
John Marshall Gaines, B.A. } Yale University 1896	<i>New Haven, Conn.*</i>	530 P.
Arthur Sullivan Gale, B.A. } Yale University 1899	<i>Jacksonville, Fla.</i>	123 W. D.
Arthur James Gammack, M.A. } Trinity College of Toronto 1891	<i>New Haven, Conn.</i>	228 Whalley av.
Harry Courtlandt Gause, PH.B. } Yale University 1899	<i>Wilmington, Del.</i>	86 Wall st.
Silas Wright Geis, B.L. } Univ. of California 1898	<i>Fresno, Cal.</i>	83 Sachem st.
Karl Frederick Geiser, PH.B. } Upper Iowa University 1893	<i>Fayette, Iowa</i>	27 Sylvan av.
Walter Gilliam, B.A. } Natl. Normal Univ. 1899	<i>Bouham, Tex.</i>	25 High st.
George Wilbur Fiske Gillette, PH.B. } Yale University 1896	<i>New Haven, Conn.</i>	A.
Julian Henry Goodman, PH.B. } Yale University 1899	<i>New Haven, Conn.</i>	11 Home pl.
William Anthony Granville, PH.D. } Yale University 1897	<i>New Haven, Conn.</i>	7½ Eld st.
Thomas Ezekiel Gravatt, B.S. } Rutgers College 1897	<i>Clarksburgh, N. J.</i>	73 Lake pl.
John Lewis Gregory, PH.B. } Yale University 1897	<i>Erie, Pa.</i>	A.
Matthew Griswold, Jr., PH.B. } Yale University 1888	<i>Erie, Pa.</i>	A.
Francis Jenks Hall, } Yale University 1899	<i>Saltsburg, Pa.</i>	A.
Robert William Hall, PH.B. } Yale University 1895, M.A. Harvard University 1898	<i>Cambridge, Mass.</i>	48 N. S. H.
George Arthur Hanford, B.A. } Yale University 1898	<i>Syracuse, N. Y.</i>	276 Elm st.
Henry Lee Hargrove, B.A. } Univ. of Nashville 1891, M.A. Univ. of Nashville 1892	<i>Waco, Tex.</i>	84 Bishop st.
Josiah Harmar, PH.B. } Yale University 1892	<i>Philadelphia, Pa.</i>	A.

Mattie Anstice Harris, M.A. } Lincoln College (Ill.) 1894, Ph.D. Yale University 1897	New York City	22 Lynwood st.
Francis Burton Harrison, B.A. } Yale University 1895	New York City	A.
Frederick Brown Harrison, Ph.D. } Yale University 1899	New Haven, Conn.	83 Grove st.
Carl Axel Harström, M.A. } Hobart College 1886	Norwalk, Conn.	Norwalk
Joseph Hall Hart, B.A. } Yale University 1898	Cincinnati, O.	43 College st.
Charles Montgomery Hathaway, Jr., B.A. } Yale University 1899	Olyphant, Pa.	36 E. D.
Herbert Edwin Hawkes, B.A. } Yale University 1896	New Haven, Conn.	391 Edgewood av.
Chauncey Jeddie Hawkins, B.A. } University of the Pacific 1896, S.D. Yale University 1899	Suisun, Cal.	51 Avon st.
William Hazen, B.A. } Univ. of Vermont 1893	Sherburne, Vt.	103 W. D.
William Wilson Heaton, B.A. } Yale University 1896	New York City	A.
William Milton Hess, B.A. } Yale University 1896, Ph.D. Yale University 1899	Philadelphia, Pa.	6 Kent Hall
Lawrence Isley Hewes, B.S. } Dartmouth College 1898	Braintree, Mass.	105 Park st.
Mary Cornwall Hewitt, B.A. } Smith College 1897	New Haven, Conn.	65 Dixwell av.
Clara Maria Hitchcock, Ph.D. } University of Chicago 1897	Michigan City, Ind.	34 Hillhouse av.
James Ladd Hitchcock, Ph.D. } Yale University 1897	Buffalo, N. Y.	A.
Robert Reynolds Hitt, B.A. } Yale University 1898	Washington, D. C.	A.
Richard Thayer Holbrook, B.A. } Yale University 1893	Yonkers, N. Y.	170 F.
Edwin Knight Holden, B.A. } University of Wisconsin 1882, S.D. Yale University 1886	Bridgeport, Conn.	Bridgeport
Frederick Augustus Holden, B.A. } Amherst College 1878	Morris, Conn.	Morris
George Clay Hollister, B.A. } Yale University 1896	New York City	A.
Frazer Hood, B.A. } Southwestern Presbyterian University 1896	Tupelo, Miss.	47 Lake pl.
Donald Russell Hooker, B.A. } Yale University 1899	New Haven, Conn.	436 Orange st.

Gerard Beekman Hoppin, B.A. } Yale University 1891	New York City	A.
Clara Marvin Hubbell, B.A. } Smith College 1887	Detroit, Mich.	409 Orange st.
Grace Wakeman Hubbell, PH.B. } Oberlin College 1894	New York City	409 Orange st.
Robert Ernest Hume, B.A. } Yale University 1898	Ahmednagar, India	24 Home pl.
Agnes Hunt, B.A. } Smith College 1897	Manchester, N. H.	83 Grove st.
Lola LaMotte Iddings, B.A. } Vassar College 1889	Orange, N. J.	Orange
Howard Maxwell Ingham, PH.B. } Yale University 1897	Philadelphia, Pa.	A.
William Julius Edward Jente, B.A. } Yale University 1897	New Haven, Conn.	97 Bristol st.
Frederic Blair Johnson, B.A. } Yale University 1896	Boston, Mass.	A.
Treat Baldwin Johnson, PH.B. } Yale University 1898	Bethany, Conn.	141 College st.
William Smythe Johnson, M.A. } Ouachita Bapt. College 1895, PH.D. Yale University 1899	Arkadelphia, Ark.	47 Lake pl.
Edward Clinton Jones, B.A. } Yale University 1895	New Haven, Conn.	84 William st.
Rivera Harding Jordan, B.A. } Yale University 1893	St. Joseph, Mo.	A.
Tyichi Kaiyiyama, PH.B. } Cornell University 1898	Yokohama, Japan	49 E. D.
Jiroku Kawabe } Doshisha University 1893	Kyoto, Japan	115 Dwight st.
Alfred Sewell Kedzie, PH.B. } Adrian College 1891, B.A. Adrian College 1893	New Haven, Conn.	495 Elm st.
Albert Galloway Keller, B.A. } Yale University 1896, PH.D. Yale University 1899	Milford, Conn.	270 Edgewood av.
George Dwight Kellogg, B.A. } Yale University 1895, PH.D. Yale University 1898	Cambridge, Mass.	Rome, Italy
Margaret Dutton Kellum, B.A. } Bryn Mawr College 1892	Baltimore, Md.	35 Lynwood st.
Albert Emmett Kent, B.A. } Yale University 1897	New York City	A.
Yetaro Kinoshita, B.A. } Hiram College 1899	Akita, Japan	277 Crown st.
Tozaburo Kudo, M.A. } De Pauw University 1896	Tokyo, Japan	99 W. D.
Howard La Field, B.A. } Yale University 1891	Delafield, Wisc.	A.

Joshua Larson, B.A. } Augustana College 1889, M.A. Yale University 1899 }	Altona, Ill.	149 St. John st.
David Denison Lambert, B.A. } Yale University 1886, M.A. Yale University 1888 }	New Haven, Conn.	359 Howard av.
Mabelle Alpina Laud, B.A. } University of Wyoming 1899 }	Laramie, Wyoming	
Edward Herman Lay, B.A. } Yale University 1894 }	New London, Conn.	A.
Annie Maria Leonard, B.A. } Wellesley College 1895 }	Taunton, Mass.	30 Academy st.
Edwin Hoyt Lockwood, M.E. } Yale University 1892 }	New Canaan, Conn.	55 Prospect st.
Frederick Bliss Luquiens, B.A. } Yale University 1897 }	New Haven, Conn.	201 Bishop st.
Adam Ruth Lutz, B.A. } Franklin and Marshall Coll. 1896 }	Strasburg, Pa.	121 W. D.
Cloyd North McAllister, B.A. } Yale University 1892 }	St. Joseph, Mo.	33 Lake pl.
George Grant MacCurdy, B.A. } Harvard University 1893, M.A. Harvard University 1894 }	New Haven, Conn.	33 Wall st.
Theodore Dwight McDonald, B.A. } Yale University 1897 }	New York City	A.
Winfield Scott Manship, B.A. } Wesleyan University 1886, B.D. Yale University 1889 }	S. Meriden, Conn.	S. Meriden
Milton Mozart Marble, B.A. } Harvard University 1889 }	New Haven, Conn.	19 Beers st.
William Crosby Marshall, M.E. } Yale University 1894 }	New Haven, Conn.	355 Willow st.
Frederic Huntington Mathison, B.A. } Yale University 1896 }	Shelton, Conn.	Shelton.
Sogo Matsumoto, B.A. } Kew-gijiku College 1897 }	Tsu Ise, Japan	24 Court st.
Matatara Matsumoto, B.A. } Imperial University of Japan 1893, Ph.D. Yale University 1899 }	Tokyo, Japan	201 Bishop st.
Harriet Anna Merrill, B.A. } Wellesley College 1898 }	New Haven, Conn.	115 York st.
Alfred Kindred Merritt, B.A. } Yale University 1893 }	Brainerd, Minn.	267 L.
Kumazo Mikami, B.D. } Trinity College, Japan, 1890 }	Tokyo, Japan	46 E. D.
Robert Hume Miller, B.A. } Yale University 1897 }	New Haven, Conn.	133 Wall st.
George Alonzo Mirick, M.A. } Amherst College 1896 }	New Haven, Conn.	442 George st.



Charles Thomas Mitchell, B.S. } University of Pennsylvania 1899,	<i>Philadelphia, Pa.</i>	57 Prospect st.
Sydney Knox Mitchell, B.A. } Yale University 1848	<i>Lakeville, N. Y.</i>	90 S. M.
Ishiro Miyake, } Doshisha University, Japan, 1894	<i>Kumamoto, Japan</i>	119 Park st.
Arthur Boothby Morrill, B.A. } Yale University 1873	<i>New Haven, Conn.</i>	459 Orange st.
Julia Catharine Morris, B.S. } Smith College 1898	<i>Utica, N. Y.</i>	1144 Chapel st.
Oliver Cromwell Morse, B.A. } Yale University 1868	<i>Winter Park, Fla.</i>	A.
Henry Killam Murphy, B.A. } Yale University 1899	<i>New Haven, Conn.</i>	85 Sachem st.
John Killam Murphy, B.A. } Yale University 1897, PH.B. Yale University 1898	<i>New Haven, Conn.</i>	85 Sachem st.
Henry Hotchkiss Murray, PH.B. } Yale University 1893	<i>Viola, Del.</i>	A.
Irene Tanner Myers, M.A. } Bethany College 1889	<i>Wheeling, W. Va.</i>	281 Crown st.
Rokuro Nakaseko, PH.D. } Johns Hopkins University 1899	<i>Kyoto, Japan</i>	20 Whalley av.
Robert Wilson Neal, B.A. } Univ. of Kansas 1898	<i>Lawrence, Kan.</i>	497 Winthrop av.
George Henry Nettleton, B.A. } Yale University 1896	<i>Boston, Mass.</i>	162 S. L.
Henry James Nichols, B.A. } Yale University 1899	<i>Binghamton, N. Y.</i>	333 York st
William Wallace Nichols, PH.B. } Yale University 1884, M.B. Yale University 1886	<i>New Haven, Conn.</i>	83 Pearl st.
Herbert Elwin Nims, B.A. } Yale University 1898	<i>Ashburnham, Mass.</i>	344 Elm st.
John Pease Norton, B.A. } Yale University 1899	<i>Los Angeles, Cal.</i>	549 Orange st.
John Treadwell Norton, Jr., B.A. } Yale University 1898	<i>Albany, N. Y.</i>	90 Whalley av.
Julius Olsen, B.S. } Bethany College 1898	<i>Norway, Kan.</i>	16 Hughes pl.
Oscar Nils Olson, B.A. } Augustana College 1898	<i>Brooklyn, N. Y.</i>	16 Hughes pl.
Herbert Parsons, B.A. } Yale University 1897	<i>New York City</i>	A.
Walter Melville Patton, B.D. } Wesleyan Theo. Coll., Montreal 1891, PH.D. Heidelberg 1897	<i>New Haven, Conn.</i>	37 Lynwood st.
Paul Skeels Peirce, PH.B. } Cornell University 1897	<i>Ithaca, N. Y.</i>	22 Whalley av.

Charles Adams Peters, B.S. } Boston University 1897	Worcester, Mass.	Kent Lab'y.
Isaac King Phelps, PH.D. } Yale University 1897	Thompsonville, Conn.	130 Howe st.
William Kinney Pike, PH.B. } Yale University 1897	South Killingly, Conn.	A.
Alexander Pratt, Jr., B.A. } Trinity College 1898	Bridgeport, Conn.	Bridgeport
Charles Theodore Ramsden, PH.B. } Yale University 1896	Santiago de Cuba, Cuba	A.
Chauncey Brewster Rice, PH.B. } Yale University 1894	New Haven, Conn.	56 N. S. H.
Frank Russell Rich, PH.B. } Yale University 1890	Bethel, Conn.	65 Grove st.
Alfred Ernest Richards, B.A. } Yale University 1898	Hartford, Conn.	90 Whalley av.
Marion Edwards Richards, B.A. } Smith College 1899	New Haven, Conn.	137 Edwards st.
Julian Ashton Ripley, B.A. } Yale University 1898	New York City	A.
Frederick Oscar Robbins, B.A. } Yale University 1896	Greenville, N. H.	227 Sherman av.
Peter Roberts, B.D. } Yale University 1886	Scranton, Pa.	48 E.D.
Ernest Lauren Robinson, B.A. } Yale University 1894	Cheshire, Conn.	A.
Henry Hollister Robinson, PH.B. } Yale University 1895	Hartford, Conn.	333 York st.
James Francis Chalfant Robinson, B.L. } University of Cincinnati 1893	Cincinnati, O.	280 Winthrop av.
Maurice Henry Robinson, B.L. } Dartmouth College 1890, M.A. Dartmouth College 1897	Madelia, Minn.	522 Winthrop av.
Edith Antoinette Rockwell, B.L. } Smith College 1896	New Haven, Conn.	281 Crown st.
Zula Elizabeth Rogers, B.S. } Wesleyan University 1898	Meriden, Conn.	Meriden
Robert Kilburn Root, B.A. } Yale University 1898	New Haven, Conn.	58 Grove st.
Agnes Ford Rowe, B.A. } Syracuse University 1894	New Haven, Conn.	285 Willow st.
Louis Barcroft Runk, B.A. } Yale University 1893	Philadelphia, Pa.	A.
William Nelson Runyon, B.A. } Yale University 1892	Plainfield, N. J.	A.
Mary Josephine Salter, B.S. } Wellesley College 1894	Duluth, Minn.	66 Trumbull st.
Walter Murray Sanders, PH.B. } Yale University 1899	Montclair, N. J.	111 Grove st.

Charles Edward Sargent, M.A. } Bates College 1883	<i>New Haven, Conn.</i>	61 Grove st.
Edward Christian Schneider, B.S. } Tabor College 1897	<i>Shenandoah, Iowa</i>	24 E.D.
Charles Otis Scoville, B.A. } Yale University 1887	<i>New Haven, Conn.</i>	162 Temple st.
Hubert Gibson Shearin, B.A. } Center College 1897, M.A. Center College 1899	<i>Dansville, Ky.</i>	335 George st.
William Kent Shepard, PH.B. } Yale University 1897	<i>New Haven, Conn.</i>	58 N. S. H.
Susan Smith Sheridan, B.A. } University of Omaha 1897	<i>New Haven, Conn.</i>	519 Orange st.
Oliver Taylor Sherwood, B.A. } Yale University 1884	<i>Southport, Conn.</i>	Southport
Earnest Clyde Simpson, B.S. } Carson and Newman College 1893, LL.B. Yale University 1899	<i>Mossy Creek, Tenn.</i>	1404 Chapel st.
Barry Congar Smith, B.A. } Yale University 1899	<i>New York City</i>	A.
Burke Smith, B.S. } Univ. of Wash. 1899	<i>Auburn, Wash.</i>	47 Lake pl.
Marius Joseph Spinello, B.A. } Yale University 1896, M.A. Yale University 1899	<i>New Haven, Conn.</i>	13 Warren st.
Frederick Clark Stanley, B.A. } Williams College 1893	<i>Bridgeport, Conn.</i>	Bridgeport
Constantine Demeter Stephanove, B.A. } Yale University 1899	<i>Bansko, Macedonia</i>	105 Broadway
Alfred Hall Stevens, PH.B. } Yale University 1893	<i>Clinton, Conn.</i>	A.
Edgar Crane Stiles, B.A. } Yale University 1886	<i>West Haven, Conn.</i>	West Haven
Charles Emerson Stone, PH.B. } Yale University 1889	<i>Andover, Mass.</i>	A.
Karl Eben Stromquist, B.S. } Bethany College 1899	<i>McPherson, Kansas</i>	59 Prospect st.
Wendell Melville Strong, M.A. } Cornell University 1894, PH.D. Yale University 1898	<i>Montclair, N. J.</i>	307 W.
Samuel Cryder Sturgis, B.A. } South Carolina College 1885, M.A. Yale University 1899	<i>Fair Forest, S. C.</i>	25 High st
Catherine Cullinan Sullivan, B.A. } Smith College 1889	<i>Bridgeport, Conn.</i>	Bridgeport
Margaret Sweeney, B.A. } Radcliffe College 1899	<i>Boston, Mass.</i>	97 Dwight st.
John Frelinghuysen Talmage, B.A. } Yale University 1895	<i>New York City</i>	A.

Leonard Merrige Tarr, B.A. } Bates College 1882	<i>New Haven, Conn.</i> 156 Whalley av.
Robert Longley Taylor, B.A. } Hamilton College 1882	<i>New Haven, Conn.</i> 67 Mansfield st.
William James Taylor, B.A. } University of Nebraska 1891, M.A. University of Nebraska 1897	<i>New Haven, Conn.</i> 133 Dixwell av.
Daniel Webster Terry, B.A. } Northwestern University 1892	<i>Claverack, N. Y.</i> 88 Lake pl.
Edward Thorstenberg, B.A. } Bethany College 1899	<i>Assaria, Kansas</i> 59 Prospect st.
Clifford C. Thorn, LL.B. } Boston University 1896, M.A. State Univ. of Iowa 1899	<i>Washington, Iowa</i> 318 Orange st.
Edward Montclair Tillinghast, B.A. } Yale University 1888	<i>New Haven, Conn.</i> 364 Mansfield st.
John Quillin Tilson, B.A. } Yale University 1891, M.L. Yale University 1894	<i>Clear Branch, Tenn.</i> 550 P.
Asa Currier Tilton, B.A. } Yale University 1896	<i>Raymond, N. H.</i> 1151 Chapel st.
Chauncey Brewster Tinker, B.A. } Yale University 1899	<i>Denver, Colo.</i> 36 E. D.
Eyler Jonathan Todd, LL.B. } Yale University 1899	<i>Springfield, O.</i> 494 State st.
Elizabeth Blakesley Tracy, B.A. } Wellesley College 1891	<i>New Haven, Conn.</i> 55 Dwight st.
John Clayton Tracy, PH.B. } Yale University 1890 C.E. Yale University 1882	<i>New Haven, Conn.</i> 55 Dwight st.
Ralph DeForest Tucker, PH.B. } Yale University 1895	<i>Monson, Mass.</i> 419 Temple st.
Mabelle Morris Ufford, B.L. } Smith College 1899	<i>New Haven, Conn.</i> 343 Orange st.
William Valentine, PH.B. } Yale University 1897	<i>New York City</i> 162 S. L.
Joseph King VanDenburg, B.A. } Wesleyan University 1895, M.A. Wesleyan University 1898	<i>Orange, N. J.</i> Orange
Ralph Gibbs VanName, B.A. } Yale University 1899	<i>New Haven, Conn.</i> 121 High st.
Charles Philip Wagner, B.A. } Yale University 1899	<i>Putnam, Conn.</i> 254 Crown st.
Curtis Howe Walker, B.A. } Yale University 1899	<i>New Haven, Conn.</i> 97 Whitney av.
J. E. Wallace Wallin, B.A. } Augustana College 1897 M.A. Yale University 1899	<i>Stanton, Iowa</i> 88 George st.

Halsey Albert Weaver, PH.B. } Yale University 1895	Woodstock, Conn.	65 Spring st.
Charles Heald Weller, B.A. } Yale University 1895	New Haven, Conn.	17 Parmelee av.
Chauncey Wetmore Wells, B.A. } Yale University 1896	Middletown, Conn.	203 Lawrence st.
Philip Patterson Wells, B.A. } Yale University 1889	New Haven, Conn.	72 Mansfield st.
Jacob Westlund, PH.D. } Yale University 1898	Lindsborg, Kan.	218 Mansfield st.
Monroe Nichols Wetmore, B.A. } Yale University 1888	New Brighton, N. Y.	A.
Lynde Phelps Wheeler, PH.B. } Yale University 1894	New Haven, Conn.	333 York st.
William Arthur Whitcomb, PH.B. } De Pauw University 1894 Yale University 1895	Glens Falls, N. Y.	A.
Charles Huntington Whitman, B.A. } Colby University 1897	Bangor, Me.	139 Dwight st.
John Whitmore, PH.D. } Yale University 1892	New Haven, Conn.	147 Bradley st.
Marian Parker Whitney	New Haven, Conn.	227 Church st.
George Reber Wieland, B.S. } Pennsylvania State College 1893	Chester, Pa.	58 Mansfield st.
Edwin Bidwell Wilson, B.A. } Harvard University, 1899	Cambridge, Mass.	117 W. D.
Ruth Goulding Wood, B.L. } Smith College 1898	Pawtucket, R. I.	39 Lynwood st.
Alice Lincoln Wright, B.A. } Wellesley College 1897	New Haven, Conn.	128 York st.
Henry Burt Wright, B.A. } Yale University 1898	New Haven, Conn.	Dwight Hall
Minosuke Yamaguchi, B.A. } Lombard University 1897	Kurume, Japan	99 W. D.
Seiichi Yamaguchi } Doshisha University, Japan, 1896	Kyoto, Japan	115 Elm st.
Yochi Yamaguchi } Doshisha University, Japan 1896	Kyoto, Japan	351 Washington st.
Masajiro Yokoyama } Dohisha University, Japan, 1896	Okayama, Japan	119 Park st.

# ACADEMICAL DEPARTMENT (YALE COLLEGE)

## SENIOR CLASS

Benjamin Stearns Adams	<i>Spencer, Iowa</i>	42 v.
Frederick Baldwin Adams	<i>Toledo, O.</i>	16 v.
James Pinckney Adams	<i>Orange, N. J.</i>	325 w.
Walter Maxwell Adriance	<i>Cincinnati, O.</i>	108 n.
Earle Alexander	<i>Elizabeth, N. J.</i>	5 v.
Frederic Winthrop Allen	<i>Walpole, Mass.</i>	121 n.
Edwin Carlos Andrews	<i>Penn Yan, N. Y.</i>	14 v.
Robert Lawrence Anthony	<i>Providence, R. I.</i>	373 wh.
Harold Sears Arnold	<i>New Haven, Conn.</i>	30 v.
Frank Marion Atterholt, Jr.	<i>Akron, O.</i>	397 b.
William Holt Averell, Jr.	<i>Rochester, N. Y.</i>	64 v.
Harry Woodruff Babcock	<i>Stonington, Conn.</i>	55 v.
John Harry Bailey	<i>New Haven, Conn.</i>	226 Commerce st.
Alanson Judson Baker	<i>Gloversville, N. Y.</i>	11 v.
George Merrick Baker	<i>Hartford, Conn.</i>	112 n.
Roscoe Chase Baker	<i>Billerica, Mass.</i>	45 v.
Lucius Barnes Barbour	<i>Hartford, Conn.</i>	61 v.
Norman Bardeen	<i>Syracuse, N. Y.</i>	358 wh.
James Whitney Barney	<i>New York City</i>	37 v.
Albert Munger Barrell	<i>Chicago, Ill.</i>	292 w.
George Hiram Bartholomew	<i>New Haven, Conn.</i>	225 Sherman av.
William Chipp Bartholomew	<i>New Haven, Conn.</i>	225 Sherman av.
Norman Williams Bartlett	<i>Evanston, Ill.</i>	209 d.
Stephen Russell Bartlett	<i>Hartford, Conn.</i>	112 n.
Frederick Pomeroy Bassett	<i>Cincinnati, O.</i>	369 wh.
Ernest Turrell Bauer	<i>Easton, Conn.</i>	255 Sherman av.
Harry Judson Beardsley	<i>N. Woodbury, Conn.</i>	41 Howe st.
Allister McDonald Bell	<i>Orange, N. J.</i>	328 w.
Cogswell Bentley	<i>Rochester, N. Y.</i>	338 wh.
Edward Houston Bindley	<i>Pittsburg, Pa.</i>	32 v.
Hugh Taylor Birch, Jr.	<i>Chicago, Ill.</i>	109 n.
Howard Bissell	<i>Buffalo, N. Y.</i>	306 w.
Frederick Arthur Blount	<i>Newport, Vt.</i>	153 f.
Howard Boocock	<i>Brooklyn, N. Y.</i>	20 v.
Edward Green Bradford, Jr.	<i>Wilmington, Del.</i>	299 w.
Morgan Bulkeley Brainard	<i>Hartford, Conn.</i>	61 v.

Charles Edward Brinley	<i>Philadelphia, Pa.</i>	9 v.
Sidney Gray Bristol	<i>Battle Creek, Mich.</i>	100 N.
John Penn Brock	<i>Lebanon, Pa.</i>	46 v.
Clarence Whittlesey Bronson	<i>New Haven, Conn.</i>	106 N.
Ezekiel Stoddard Bronson	<i>New Haven, Conn.</i>	46 v.
Howard Logan Bronson	<i>New Haven, Conn.</i>	106 N.
Charles Stephen Brooks	<i>Cleveland, O.</i>	21 v.
Kenneth Bruce	<i>Brooklyn, N. Y.</i>	148 F.
Jerome Herman Buck	<i>Albany, N. Y.</i>	352 WH.
Winthrop Buck	<i>Wethersfield, Conn.</i>	357 WH.
Kenneth Lovejoy Burns	<i>Seattle, Wash.</i>	93 S. M.
John Roberts Bushong	<i>Reading, Pa.</i>	260 L.
Albert Norton Butler	<i>Meriden, Conn.</i>	381 WH.
Stuart Brown Camp	<i>West Winsted, Conn.</i>	318 W.
John Herbert Campbell	<i>Orange, N. J.</i>	33 Wall st.
Shiras Campbell	<i>Elizabeth, N. J.</i>	46 v.
Charles Pond Capen	<i>St. Louis, Mo.</i>	308 W.
Robert Davis Carey	<i>Cheyenne, Wyoming</i>	346 WH.
Franklin Carter, Jr.	<i>Williamstown, Mass.</i>	341 WH.
Charles Andrews Carver	<i>Chicago, Ill.</i>	64 Whalley av.
DeWitt Bellinger Casler	<i>Little Falls, N. Y.</i>	336 WH.
Donald Chappell	<i>New London, Conn.</i>	370 WH.
Frank Dexter Cheney	<i>S. Manchester, Conn.</i>	15 v.
Walter Lyon Chittenden	<i>Binghamton, N. Y.</i>	43 v.
John Werden Clark	<i>Old Saybrook, Conn.</i>	164 F.
Thomas Benedict Clarke, Jr.	<i>New York City</i>	355 WH.
William Rockwell Clarke	<i>Kansas City, Mo.</i>	302 W.
Arthur Wilfred Clement	<i>Brooklyn, N. Y.</i>	51 v.
William Sloane Coffin	<i>New York City</i>	62 v.
George Musalas Colvocoresses	<i>Litchfield, Conn.</i>	372 WH.
Edwin Congdon, Jr.	<i>Clarendon, Vt.</i>	81 S. M.
Norman George Conner	<i>Marshallton, Pa.</i>	164 F.
Frank Cummings Cook	<i>Waterbury, Conn.</i>	103 N.
Louis Aldrich Cook	<i>South Weymouth, Mass.</i>	40 v.
Foster Crampton	<i>Brooklyn, N. Y.</i>	64 v.
Zenas Marshall Crane	<i>Dalton, Mass.</i>	4 v.
Chauncey Morris Crawford	<i>Baltimore, Md.</i>	72 S. M.
Frank Taylor Crawford	<i>Mansfield, O.</i>	355 WH.
Morton Starr Cressy	<i>Hartford, Conn.</i>	130 F.
Walter Eaton Crittenden	<i>New Haven, Conn.</i>	381 WH.
Francis Cross, Jr.	<i>New Haven, Conn.</i>	448 Washington av.
John Walter Cross	<i>New York City</i>	9 v.
Richard Dudley Currier	<i>Bridgeport, Conn.</i>	371 WH.
Jesse Dwight Dana	<i>Lewiston, Me.</i>	305 W.

Earl Ellithorpe Davidson	<i>Boston, Mass.</i>	42 v.
Joseph Edward Davis	<i>Davis, W. Va.</i>	346 WH.
Sidney Butler Dean	<i>St. Paul, Minn.</i>	43 v.
John Walter Decrow	<i>Boston, Mass.</i>	374 WH.
Robert Leonard Dodd	<i>Haverhill, Mass.</i>	68 Park st.
Malcolm Douglas	<i>Albany, N. Y.</i>	340 WH.
Harry Augustus Dow	<i>Pittsfield, Ill.</i>	336 WH.
Clare Hill Draper	<i>Hopedale, Mass.</i>	16 v.
Dwight Chandler Drew	<i>Stowe, Vt.</i>	81 S. M.
Guilford Duncan	<i>St. Louis, Mo.</i>	25 v.
Edward DeLancey Eaton	<i>Albany, N. Y.</i>	352 WH.
Frank Wales Eaton	<i>East Orange, N. J.</i>	17 v.
Richard Alvin Eble	<i>Newark, N. J.</i>	380 WH.
Stanley Wells Edwards	<i>Granby, Conn.</i>	1044 Chapel st.
Edward Porter Eggleston	<i>New London, Conn.</i>	101 N.
Stephen Benton Elkins, Jr.	<i>Elkins, W. Va.</i>	319 W.
Christopher Pegues Ellerbe, Jr.	<i>St. Louis, Mo.</i>	25 v.
Edward Clarence Ellsbree	<i>Meriden, Conn.</i>	Meriden
Henry Edwards Ellsworth	<i>Simsbury, Conn.</i>	15 v.
Arthur Edgar Ely	<i>East River, Conn.</i>	183 LYC.
Sigismund Engelking	<i>Peters, Texas</i>	421 B.
Orville Devere Estee	<i>Gloversville, N. Y.</i>	1044 Chapel st.
Edward Bathurst Fackler	<i>New York City</i>	327 W.
Eugene Francis Farley	<i>Derby, Conn.</i>	Derby
Leon Farr, B.S. }	<i>Kingfisher, Okla.</i>	68 Audubon st.
Doane College 1895 }		
John Sherlock Ferguson	<i>Stockholm, Sweden</i>	347 WH.
Robert Ferguson	<i>Springfield, Mass.</i>	422 B.
Frank Farwell Ferry	<i>Lake Forest, Ill.</i>	45 v.
Frank Edson Field, B.A. }	<i>Dover, Ill.</i>	122 N.
Western College 1899 }		
Henry Martyn Field	<i>Boston, Mass.</i>	211 D.
Irving Leonard Fisher	<i>New York City</i>	93 S. M.
Wilfred Lester Foster	<i>Brooklyn, N. Y.</i>	183 LYC.
Alanson Gibbs Fox	<i>New York City</i>	59 v.
David Rowland Francis, Jr.	<i>St. Louis, Mo.</i>	318 W.
Thomas Emlen Franklin	<i>Lancaster, Pa.</i>	342 WH.
Charles Henry Frederick	<i>Westfield, N. J.</i>	80 S. M.
Herbert Brewster Fuller	<i>Glen Ridge, N. J.</i>	403 B.
William Frederick Gillespie	<i>Stamford, Conn.</i>	101 N.
Frederic William Gladding	<i>Essex, Conn.</i>	1010 Chapel st.
Clifford Joseph Gleason	<i>Colebrook, N. H.</i>	19 Sylvan av.
John Elwin Gleason	<i>Oxford, N. Y.</i>	380 WH.
Maurice Philippe Gould	<i>Wamego, Kansas</i>	104 N.



Arthur Harmount Graves	<i>Hartford, Conn.</i>	357 WH.
George Green	<i>Gloversville, N. Y.</i>	40 V.
Edward Belden Greene	<i>Cleveland, O.</i>	21 V.
Edward Chace Greene	<i>Westminster, Conn.</i>	105 N.
James Cowan Greenway	<i>Hot Springs, Ark.</i>	340 WH.
Harold Humphrey Hackett	<i>New York City</i>	6 V.
Frank Eugene Hale	<i>Hartford, Conn.</i>	130 F.
William Rodman Hamlin	<i>Easthampton, Mass.</i>	422 B.
John Bryant Hartwell	<i>Providence, R. I.</i>	317 W.
Pinkney Settle Hargrove, B.A. }	<i>Waco, Tex.</i>	421 B.
Baylor University 1898 }		
Frederick Charles Havemeyer	<i>New York City</i>	37 V.
Pliny Harold Hayes	<i>Buffalo, N. Y.</i>	104 N.
Harry Heaton	<i>Washington, D. C.</i>	160 F.
Lyman Cook Hedge	<i>Burlington, Iowa</i>	59 V.
Thomas William Hefferan	<i>Grand Rapids, Mich.</i>	343 WH.
Howard Covode Heinz	<i>Pittsburg, Pa.</i>	62 V.
Burns Henry	<i>Detroit, Mich.</i>	7 V.
Edward Buffum Hill	<i>Yonkers, N. Y.</i>	10 V.
William Beck Hills	<i>Orange, N. J.</i>	80 S. M.
George Lyman Hinckley	<i>Northampton, Mass.</i>	412 B.
Robert Taylor Hinton, M.A. }	<i>Paris, Ky.</i>	237 York st.
Georgetown Coll. (Ky.) 1899 }		
Leonard Albert Hochstadter	<i>New York City</i>	5 V.
John Morgan Hopkins	<i>Decherd, Tenn.</i>	341 WH.
Thomas Andrews Howell, Jr.	<i>New York City</i>	318 W.
Christopher Hall Howes	<i>Yarmouth, Mass.</i>	392 B.
George Wolcott Hubbell, Jr.	<i>Greenwich, Conn.</i>	8 V.
Clarence Powell Hulst	<i>Milwaukee, Wisc.</i>	52 V.
Henry Thomas Hunt	<i>Cincinnati, O.</i>	227 D.
Ralph Emerson Hutchinson	<i>Hubbardston, Mass.</i>	328 W.
Hopkin Jenkins	<i>Portland, Oregon</i>	354 WH.
Herbert Russell Jenney	<i>Cincinnati, O.</i>	334 WH.
Dale Crawford Jennings	<i>Pittsburg, Pa.</i>	306 W.
Bascom Johnson	<i>Washington, D. C.</i>	305 W.
Harry Otis Johnson	<i>Machias, Me.</i>	116 N.
Owen McMahon Johnson	<i>New York City</i>	300 W.
William Savage Johnson	<i>Meriden, Conn.</i>	404 B.
Charles Jones	<i>Seymour, Conn.</i>	79 S. M.
William Moses Jones, B.A. }	<i>Copeville, Tex.</i>	96 S. M.
Baylor University 1898 }		
John Everett Keach	<i>Northampton, Mass.</i>	105 N.
Raymond George Keeney	<i>Somersville, Conn.</i>	4 V.
Charles Alexis Kellogg, Jr.	<i>Carthage, Mo.</i>	159 Elm st.

Franklin Kennedy	<i>Buffalo, N. Y.</i>	1044 Chapel st.
Lucius Collinwood Kingman	<i>Providence, R. I.</i>	373 WH.
Allen Irving Kittle	<i>Ross, Cal.</i>	18 v.
John Henry Klosterman	<i>Portland, Oregon</i>	367 WH.
Irving Gilliss Knox	<i>New York City</i>	6 v.
Preston Kumler	<i>Evansville, Ind.</i>	334 WH.
Timothy Aloysius Leary	<i>Scitico, Conn.</i>	202 D.
Ashley Day Leavitt	<i>Melrose, Mass.</i>	87 S. M.
Samuel Samter Levy	<i>Bloomington, Ill.</i>	241 L.
Kenneth Dwight Lippincott	<i>Newton Centre, Mass.</i>	339 WH.
Vincent Paddock Lobdell	<i>Brewster, N. Y.</i>	107 N.
Frederic Irving Lockman	<i>New York City</i>	345 WH.
Hollister Logan	<i>Brooklyn, N. Y.</i>	387 B.
James Phinney Lombard	<i>Kansas City, Mo.</i>	301 W.
Maurice Ennis Lombardi	<i>Houston, Tex.</i>	49 v.
James McMaster Long	<i>Pittsburg, Pa.</i>	24 v.
Gilbert Lovell	<i>Plainfield, N. J.</i>	332 WH.
Cortlandt Francis Luce	<i>New Brighton, N. Y.</i>	24 v.
George Armstrong Lyon, Jr.	<i>Erie, Pa.</i>	334 WH.
Malcolm Lee McBride	<i>Cleveland, O.</i>	278 WH.
Thomas McCandless	<i>Meriden, Conn.</i>	79 S. M.
George Sterling McCartin	<i>Watertown, N. Y.</i>	372 WH.
Frank M. MacClenahan, B.A. } Tarkio College 1896 }	<i>Allegheny City, Pa.</i>	130 St. John st.
Joseph Medill McCormick	<i>Chicago, Ill.</i>	36 v.
Robert McCormick	<i>Harrisburg, Pa.</i>	54 v.
Robert Hall McCormick, Jr.	<i>Chicago, Ill.</i>	382 WH.
William Marsh McCutchen	<i>Plainfield, N. J.</i>	350 WH.
Ernest Clare McGouldrick	<i>Machias, Me.</i>	119 N.
Charles Wylie McKelvey	<i>Bridgeport, Conn.</i>	347 WH.
Alexander Louis McKenzie	<i>Wareham, Mass.</i>	360 WH.
William Chase Mackey	<i>Franklin, Pa.</i>	34 v.
John Fisher McLane, B. A. } Westminster (Pa.) Coll. 1899 }	<i>New Haven, Conn.</i>	33 Howe st.
Allan MacLean	<i>Litchfield, Conn.</i>	32 v.
William Raymond Maloney, Jr.	<i>Poughkeepsie, N. Y.</i>	353 WH.
William Proctor Malony	<i>Dundee, N. Y.</i>	144 F.
Samuel Clinton Marty	<i>Kansas City, Mo.</i>	332 WH.
Herbert Edwin Medway	<i>Scranton, Pa.</i>	386 B.
Frederick Benjamin Merrels	<i>New Haven, Conn.</i>	27 v.
Dunlevy Milbank	<i>New York City</i>	345 WH.
Jesse Wright Miller	<i>Houston, Tex.</i>	141 F.
Rutger Bleecker Miller	<i>New York City</i>	51 v.
Matthew Mills	<i>Chicago, Ill.</i>	39 v.

William Ernst Minor	<i>Covington, Ky.</i>	36 v.
Warner Moody	<i>Deadwood, S. Dak.</i>	370 WH.
Hobart Moore	<i>Chicago, Ill.</i>	12 v.
Joy Leslie Moore	<i>Camp Hill, Pa.</i>	353 WH.
Sydney Byron Morton	<i>Chicago, Ill.</i>	144 F.
Henry Leo Moses	<i>Scranton, Pa.</i>	241 L.
Fred Nash	<i>Northfield Farms, Mass.</i>	376 WH.
William Horatio Nelson	<i>West Suffield, Conn.</i>	73 s. m.
Thomas Davidson Newmyer	<i>Connellsville, Pa.</i>	66 v.
James Henry Niedecken	<i>Milwaukee, Wisc.</i>	379 WH.
Wesley Eugene Nims	<i>Ashburnham, Mass.</i>	1010 Chapel st.
Crispin Oglebay	<i>Kansas City, Mo.</i>	337 WH.
Eugene Walter Ong	<i>Cleveland, O.</i>	385 B.
Herman Max Opitz	<i>Norwich, Conn.</i>	79 s. m.
Clarence Eugene Ordway	<i>Winchester, Mass.</i>	211 D.
Walker Lavallette Otis	<i>New York City</i>	85 s. m.
Brace Whitman Paddock	<i>Pittsfield, Mass.</i>	3 v.
Charles Randolph Page	<i>San Francisco, Cal.</i>	337 WH.
Walter Sharp Page	<i>Columbus, O.</i>	29 v.
Dudley Chapin Palmer	<i>Chicago, Ill.</i>	344 WH.
Roland Swift Palmer	<i>Amenia, N. Y.</i>	342 WH.
Edwards Albert Park	<i>Gloversville, N. Y.</i>	10 v.
Roswell Miller Patterson	<i>New York City</i>	65 v.
James Warren Payton	<i>Westfield, Mass.</i>	75 Broadway
Leonard Adolph Peck	<i>Gloversville, N. Y.</i>	86 s. m.
Roger Crossman Peck	<i>North Bennington, Vt.</i>	100 N.
Frank Denison Pendleton	<i>Somersville, Conn.</i>	73 s. m.
John Dodge Peters	<i>Great Barrington, Mass.</i>	367 WH.
John Cleveland Phillips	<i>Putnam, Conn.</i>	109 N.
John Calhoun Pickett	<i>Northampton, Mass.</i>	86 s. m.
Edward Rundel Pidgeon	<i>Norwalk, Conn.</i>	314 Crown st.
William Lorimer Porter, B.A. } Tarkio College 1896	<i>Winterset, Iowa</i>	130 St. John st.
Horace Martin Poynter	<i>Shelbyville, Ky.</i>	375 WH.
Henry Oscar Price	<i>Galesburg, Ill.</i>	375 WH.
Oscar Stoddard Pulman, Jr.	<i>Albany, N. Y.</i>	376 WH.
John Pierrepont Rice	<i>Santa Barbara, Cal.</i>	408 B.
William Gray Ricker	<i>Ryegate, Vt.</i>	153 F.
Pliny Sexton Riggs	<i>Palmyra, N. Y.</i>	72 s. m.
Reuben Buck Robertson	<i>Cincinnati, O.</i>	369 WH.
Charles Prescott Robinson	<i>Hornellsville, N. Y.</i>	56 v.
Percy Avery Rockefeller	<i>New York City</i>	20 v.
Edward Clary Root	<i>Greenwich, Conn.</i>	143 Edwards st.
Sidney Clarence Rosenberg	<i>New Haven, Conn.</i>	736 Orange st.

Adolph Hirsch Rosenfeld	Owensboro, Ky.	524 P.
Frank Henry Russell	Bridgeport, Conn.	148 F.
Robert Russell	Canton, N. Y.	8 v.
Harry Granville Sanders	Concord, N. H.	124 N.
Walter Sidney Sanford	Sherburne, N. Y.	29 v.
William Edgar Schoyer	Pittsburg, Pa.	344 WH.
Richard Jewett Schweppe	St. Louis, Mo.	379 WH.
Warren Bartlett Seabury	Dedham, Mass.	13 v.
Walter Corwin Senger	Port Jervis, N. Y.	333 York st.
William Edward Seymour	New York City	66 v.
Herman Shaffer	Philadelphia, Pa.	210 Prospect st.
George Cass Shelby	Grand Rapids, Mich.	85 s. M.
George Melville Shepherd	New York City	237 York st.
Arthur Leighton Sherman	Castleton, Vt.	72 s. M.
Wilfrid Halsted Sherrill	Poughkeepsie, N. Y.	354 WH.
Franklin Victory Sikes	Suffield, Conn.	422 B.
George Welch Simmons	St. Louis, Mo.	7 v.
David Stanley Smith	Toledo, O.	10 v.
Harrison Preserved Smith	East Northfield, Mass.	155 F.
Herbert Raymond Smith	New London, Conn.	350 WH.
Rollin Aaron Spalding, Jr.	Lynn, Mass.	34 v.
Chauncey Blair Spears	New York City	47 v.
Howard Speer	Cincinnati, O.	108 N.
Thomas Stack	Harvey, N. B.	116 N.
Charles Alexander Starne	Leadville, Col.	22 v.
Charles Stetson	Bangor, Me.	39 v.
Robert Stevenson, Jr.	Chicago, Ill.	41 v.
Mason Albert Stone, Jr.	New York City	303 W.
Lyman Brumbaugh Stookey	Belleville, Ill.	182 LYC.
William Brewster Stoskopf	Freeport, Ill.	13 v.
Corliss Esmonde Sullivan	Cleveland, O.	378 WH.
Thomas Walter Swan	Northampton, Mass.	317 W.
Charles Christian Swartz	S. Norwalk, Conn.	309 W.
Hulbert Taft	Cincinnati, O.	41 v.
Edward Hubbert Tatum	Larchmont, N. Y.	325 W.
Warner Varnum Taylor	Wakefield, Mass.	343 WH.
George Bremner Tennant	Waterbury, Conn.	103 N.
David Ogle Thomas	Belleville, Ill.	202 D.
Ralph Willis Thomas	Anaconda, Mont.	182 LYC.
Charlton Brice Thompson	Covington, Ky.	227 D.
Elbert Nevius Sebring Thompson	New Haven, Conn.	127 N.
Warren Parsons Thorpe	Philadelphia, Pa.	528 P.
Charles Lewis Tiffany, 2d	New York City	382 WH.
William Evarts Tracy	Plainfield, N. J.	309 W.

Charles Terry Treadway	<i>Bristol, Conn.</i>	27 v.
Carlisle Bronson Tuttle	<i>Naugatuck, Conn.</i>	30 v.
Raymond Lathrop Tweedy	<i>Binghamton, N. Y.</i>	49 v.
Reuben Carter Twichell	<i>Plantsville, Conn.</i>	3 v.
Albert William VanBuren	<i>Lynn, Mass.</i>	261 Orange st.
Albert VanderVeer, Jr.	<i>Albany, N. Y.</i>	35 v.
Laurence VanDyke	<i>Milwaukee, Wisc.</i>	209 D.
William Jerome Vogeler	<i>Baltimore, Md.</i>	12 v.
Philip Cory Walcott	<i>Rutherford, N. J.</i>	87 s. m.
Elisha Walker	<i>New York City</i>	405 B.
Gardner Colby Walworth	<i>Newton Centre, Mass.</i>	339 WH.
Edgar Percy Ward	<i>Orange, N. J.</i>	17 v.
Thomas Watson	<i>Greenville, Pa.</i>	56 v.
Louis Schneider Weaver, B.A. } Penna. Coll. 1899 }	<i>Newry, Pa.</i>	1142 Chapel st.
Charles Ellingham Weeks	<i>Bridgeport, Conn.</i>	371 WH.
Rudolph Frederick Weichert	<i>Danbury, Conn.</i>	91 s. m.
William Howard Weiss	<i>Schuylkill Haven, Pa.</i>	119 N.
Harry Hubbard Wells	<i>Brewster, N. Y.</i>	107 N.
Sidney Adams Weston	<i>Sharon, Mass.</i>	360 WH.
George Hoyt Whipple	<i>Andover, Mass.</i>	124 N.
George Newell Whittlesey	<i>New Haven, Conn.</i>	338 WH.
Henry Parmelee Wickes	<i>New York City</i>	121 N.
Arthur Collins Williams	<i>Hartford, Conn.</i>	402 B.
Herbert Gilman Williams	<i>Rochester, N. Y.</i>	374 WH.
William Biddle Williams	<i>Haverford, Pa.</i>	65 v.
William Kingsley Williams	<i>Cheyenne, Wyoming</i>	164 F.
Charles Hulbert Wilson	<i>Pittsfield, Mass.</i>	358 WH.
Keyes Winter	<i>Indianapolis, Ind.</i>	48 v.
Frederick Harvey Winters	<i>Indianapolis, Ind.</i>	47 v.
Harry Parker Wood	<i>Gloversville, N. Y.</i>	11 v.
Sydney Mixsell Wood	<i>Mt. Vernon, N. Y.</i>	35 v.
Herbert Charles Zellhoefer	<i>Brooklyn, N. Y.</i>	54 v.

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## JUNIOR CLASS

Edward Bradford Adams	<i>Westport, Conn.</i>	89 S. M.
Frederick Blanchard Adams	<i>Utica, N. Y.</i>	61 Wolcott st.
Arthur Dwight Allen	<i>Louisville, Ky.</i>	265 L.
Charles Willis Allen	<i>Louisville, Ky.</i>	265 L.
John Raymond Allen	<i>W. Springfield, Mass.</i>	76 S. M.
Walter Bateman Allen	<i>Hartford, Conn.</i>	356 WH.
Brewster Frost Ames	<i>Albany, N. Y.</i>	416 B.
Ira Lincoln Anderson	<i>E. Orange, N. J.</i>	75 S. M.
Addison Clark Angus	<i>Oakham, Mass.</i>	Dwight Hall
Fred. William Arlt	<i>Rockville, Conn.</i>	802 State st.
Robert Lewis Atkinson	<i>St. Louis, Mo.</i>	166 F.
Hugh Auchincloss	<i>New York City</i>	166 F.
Henry Herbert Babcock	<i>Watertown, N. Y.</i>	548 P.
Frederick Beltz, Jr.	<i>Riverside, Conn.</i>	391 B.
Dudley Stuart Blossom	<i>E. Cleveland, O.</i>	265 L.
John Dutton Bogart	<i>New York City</i>	236 D.
Frederick Douglass Bonner	<i>New Haven, Conn.</i>	37 Eaton st.
James Leonard Boyce	<i>Chicago, Ill.</i>	290 W.
Edward Dudley Bradstreet	<i>Meriden, Conn.</i>	273 L.
Lewis Hollister Bronson	<i>New Haven, Conn.</i>	89 S. M.
Herbert Bruce Brougham	<i>Owego, N. Y.</i>	66 W. D.
Edward David Brown	<i>Albany, Ga.</i>	201 D.
Edwin Hewitt Brown	<i>E. Cleveland, O.</i>	314 W.
Francis Gordon Brown, Jr.	<i>Flushing, N. Y.</i>	310 W.
Howard Melville Brown	<i>Comstock's Bridge, Conn.</i>	273 L.
Lewis Paul Brown	<i>Des Moines, Iowa</i>	75 S. M.
Charles Benedict Buckingham	<i>Watertown, Conn.</i>	254 L.
Lawrence Knight Butler	<i>Detroit, Mich.</i>	I V.
Eben McBurney Byers	<i>Allegheny, Pa.</i>	331 WH.
Charles Washburn Cadz	<i>Hartford, Conn.</i>	178 LYC.
Morton David Cahn	<i>Chicago, Ill.</i>	393 B.
Alexander Cameron, Jr.	<i>Brooklyn, N. Y.</i>	33 V.
Howard Carleton	<i>Brooklyn, N. Y.</i>	279 L.
James Mandeville Carlisle	<i>Washington, D. C.</i>	335 WH.
Thomas Carlton Carson	<i>Syracuse, N. Y.</i>	255 L.
Luke Berne Carter	<i>Titusville, Pa.</i>	313 W.
Alexander Henry Carver	<i>Philadelphia, Pa.</i>	291 W.
Lacey Davis Caskey	<i>Dresden, Germany</i>	168 F.
George Lewis Catlin	<i>Bridgeport, Conn.</i>	377 WH.
Aims Reading Chamberlain	<i>Warwick, N. Y.</i>	221 D.
John Bullard Chamberlain	<i>Unionville, Conn.</i>	125 N.

Robert Woods Chandler	<i>New Haven, Conn.</i>	253 L.
Harold Chappell	<i>New London, Conn.</i>	252 L.
Philip Cheney	<i>S. Manchester, Conn.</i>	178 LYC.
Thomas Langdon Cheney	<i>S. Manchester, Conn.</i>	178 LYC.
Frank Miller Chisholm	<i>Savannah, Ga.</i>	252 L.
Henry Chisholm	<i>East Cleveland, O.</i>	67 V.
George Peters Chittenden	<i>New York City</i>	238 D.
Henry Hall Christian	<i>Minneapolis, Minn.</i>	28 V.
Emerson Brewer Christie	<i>Tarsus, Turkey</i>	120 N.
Frank Mortimer Clapp	<i>New York City</i>	215 D.
Samuel Hopkins Clapp	<i>Pawtucket, R. I.</i>	593 P.
Fred Augustus Clark	<i>Scranton, Pa.</i>	287 W.
George Maxwell Clark	<i>Brooklyn, N. Y.</i>	249 L.
William Pancoast Clyde, Jr.	<i>New York City</i>	320 W.
Harold Bradford Colton	<i>Hartford, Conn.</i>	279 L.
Alfred Conkling Coxe, Jr.	<i>Utica, N. Y.</i>	256 L.
Sherman Lockwood Coy	<i>Lakeville, Conn.</i>	295 W.
Ralph Emerson Crandall	<i>Leonardsville, N. Y.</i>	17 Parmelee av.
Owen Crawford	<i>Cincinnati, O.</i>	258 L.
John Leslie Crosthwaite, Jr.	<i>Buffalo, N. Y.</i>	58 V.
Eugene Newton Curtis	<i>White Plains, N. Y.</i>	168 F.
Henry Stiles Curtiss	<i>Cleveland, O.</i>	290 W.
Julian Day	<i>New York City</i>	240 D.
Charles Mills DeForest	<i>New Haven, Conn.</i>	389 B.
Justus Gerhard Dettmer	<i>Brooklyn, N. Y.</i>	203 D.
Fred Stone Dodson	<i>Andover, Mass.</i>	110 N.
Edward Francis Donnelly	<i>Detroit, Mich.</i>	322 W.
Barton Talcott Doudge	<i>New York City</i>	68 V.
William Joseph Downs	<i>Danbury, Conn.</i>	91 S. M.
Charles Dupee	<i>Plainfield, N. J.</i>	285 W.
Oliver Hall Eddy	<i>Evanston, Ill.</i>	316 W.
Richard Henry Edwards	<i>Lisle, N. Y.</i>	257 L.
John Shepard Eells	<i>Ross Station, Cal.</i>	19 V.
Frederick Benjamin Eiseman	<i>St. Louis, Mo.</i>	396 B.
Eldridge Lyon Eliason	<i>Chestertown, Md.</i>	246 L.
Gayton Ballard Ellis	<i>Brooklyn, N. Y.</i>	55 V.
Howard Lightner Eshleman	<i>Leaman Place, Pa.</i>	413 B.
William Stickney Ewell	<i>Washington, D. C.</i>	239 D.
William Frederick Farnslow	<i>New Haven, Conn.</i>	53 Salem st.
John Arthur Findley	<i>Andover, Mass.</i>	128 High st.
Caleb Ellis Fisher	<i>Fargo, N. D.</i>	20 Whalley av.
James Louis Fiske	<i>S. Killingly, Conn.</i>	1010 Chapel st.
Robert Sharp Fletcher	<i>New York City</i>	368 WH.
Harry Monteith Flint	<i>Collinsville, Conn.</i>	123 N.

Lewis Edwards Fulton	Waterbury, Conn.	349 WH.
Samuel Warren Gardner	Maplewood, N. J.	286 W.
Paul Titus Gilbert	New Haven, Conn.	224 Oak pl.
Roy Hawkes Gilpatrick	Machias, Me.	212 D.
Arthur Huntington Gleason	S. Norwalk, Conn.	286 W.
Benjamin Spencer Gowen	Winchester, Tenn.	130 Howe st.
Harry Starin Gray	New York City	295 York st.
Clifford Greene	Cincinnati, O.	294 W.
George Partridge Greenhalgh	Lafayette, Ind.	294 W.
Arthur Llewellyn Griffiths	Malden, Mass.	97 N.
John Payson Grosvenor	Pomfret Centre, Conn.	151 F.
Frederic Reynolds Haight	New Haven, Conn.	410 Winthrop av.
Robert Earle Broughton Hall	New Haven, Conn.	316 W.
William Frederick Hamilton	New Haven, Conn.	131 Washington st.
Proctor Wadsworth Hansl	New York City	1151 Chapel st.
Fred Gould Harris	Cleveland, O.	283 W.
Ernest Hausberg	Charles City, Iowa	277 L.
Henry Wilder Healy	Brooklyn, N. Y.	111 N.
Lewis Edward Hemenway	Manchester, Vt.	210 D.
George Garr Henry	Washington, D. C.	348 WH.
Harold Storrs Hetrick	Norwich, Conn.	128 N.
Allan Mortimer Hirsh	Richmond, Va.	348 WH.
William Reynolds Hitt	Washington, D. C.	50 V.
Robert Burns Hixon	La Crosse, Wisc.	313 W.
Lester Shands Holmes	New York City	284 W.
William Warner Hoppin, Jr.	New York City	310 W.
John Huntington Hord	Cleveland, O.	178 LYC.
Walter Bruce Howe	Washington, D. C.	238 D.
Willard Duncan Howe	W. Pittston, Pa.	236 D.
Warren Hoysradt	Hudson, N. Y.	295 W.
William Southworth Hunt	Chatham, N. J.	204 D.
Harold Bruce Hunting	Berea, Ky.,	114 N.
William Hills Hutchins	Indian Orchard, Mass.	82 S. M.
Edwin Lorenzo Howell Hutchinson	Quogue, N. Y.	83 S. M.
Warren Sperry Jarvis	Brooklyn, N. Y.	203 D.
Paul Bowen Alden Johnson	Washington, D. C.	592 P.
Edmund Lawrence Jones	Cincinnati, O.	289 W.
John William Joy	Waterbury, Conn.	76 S. M.
Henry Pratt Judd	Honolulu, H. I.	210 D.
Frederick Snow Kellogg	Montclair, N. J.	219 D.
Luther Lafin Kellogg, Jr.	New York City	58 V.
John Arthur Keppelman	Reading, Pa.	28 V.
Arthur Houghton Killen	Dunkirk, N. Y.	366 WH.
Henry Willis King	Thompsonville, Conn.	123 N.



Ranulph Kingsley	<i>New Rochelle, N. Y.</i>	138 F.
Garrett Bergh Kip	<i>New York City</i>	67 V.
Dudley Bates Lawrence	<i>New York City</i>	331 WH.
Paul John Leidigh	<i>Kansas City, Mo.</i>	377 WH.
Edwin Colby Lewis	<i>St. Johnsbury, Vt.</i>	215 D.
Emory Hopewell Lindenberger	<i>Louisville, Ky.</i>	2 V.
Wilford Williams Linsly	<i>New York City</i>	291 W.
Porter Hodge Linthicum	<i>Evansville, Ind.</i>	311 W.
James Lee Loomis	<i>Granby, Conn.</i>	258 L.
George Blakeman Lovell	<i>New Haven, Conn.</i>	30 Grove st.
Henry Sayrs McAuley	<i>Chicago, Ill.</i>	226 D.
John Oppie McCall	<i>Binghamton, N. Y.</i>	400 B.
Downer McCord	<i>Chicago, Ill.</i>	277 L.
Robinson Barnes McFadon	<i>Chadron, Nebr.</i>	113 N.
Charles McLean	<i>Newport, R. I.</i>	322 W.
Frank Barrows Makepeace, Jr.	<i>Springfield, Mass.</i>	111 N.
William Mills Maltbie	<i>Granby, Conn.</i>	247 L.
Louis Manierre	<i>Chicago, Ill.</i>	285 W.
Albert Hunt Marckwald	<i>Brooklyn, N. Y.</i>	245 L.
Frederick Griswold Mason	<i>Waterbury, Conn.</i>	264 L.
Maurice Mason	<i>Chicago, Ill.</i>	178 L.
Everett Victor Meeks	<i>Meriden, Conn.</i>	22 College st.
Merritt Heminway Merriman	<i>Waterbury, Conn.</i>	254 L.
Walter Eugene Meyer	<i>New York City</i>	288 W.
James Layng Mills	<i>Philadelphia, Pa.</i>	178 L.
Paul Lincoln Mitchell	<i>Cincinnati, O.</i>	289 W.
Paul Miller Mohr	<i>Kansas City, Mo.</i>	398 B.
Paul Dwight Moody	<i>E. Northfield, Mass.</i>	266 L.
William Gerald Dare Morgan	<i>New York City</i>	60 V.
Ray Morris	<i>New Haven, Conn.</i>	335 WH.
Russell Mott	<i>Michigan City, Ind.</i>	398 B.
Timothy Whitfield Mulford	<i>Kansas City, Mo.</i>	391 B.
Harold Clark Neal	<i>Harrisburg, Pa.</i>	287 W.
Russell Hubbard Nevins	<i>Stamford, Conn.</i>	356 WH.
Reece Marshall Newport, Jr.	<i>St. Paul, Minn.</i>	33 V.
De Witt Clinton Noyes	<i>New York City</i>	15 E. D.
Herman Parker Olcott	<i>New York City</i>	219 D.
Albert Robert Palmer	<i>E. Orange, N. J.</i>	85 W. D.
Edward Augustus Palmer, Jr.	<i>Montville, Conn.</i>	296 W.
James Anderson Parker	<i>Louisville, Ky.</i>	204 D.
Morris Ketchum Parker	<i>New York City</i>	240 D.
Robert William Parsons	<i>New York City</i>	60 V.
Joseph Medill Patterson	<i>Chicago, Ill.</i>	33 V.
Clifford Gordon Pearce	<i>Jacksonville, Fla.</i>	220 D.

William Alexander Penny	<i>St. Louis, Mo.</i>	283 W.
Walter Hart Perry	<i>Oxford, Conn.</i>	114 N.
Clarkson Potter	<i>St. Louis, Mo.</i>	63 V.
Sylvester David Powell	<i>Easton, Conn.</i>	7 College st.
William Sumner Pritchard	<i>Brockton, Mass.</i>	259 L.
Stanley Burnet Resor	<i>Cincinnati, O.</i>	138 F.
George Vogdes Reynolds	<i>St. Louis, Mo.</i>	225 D.
Edward Chauncey Rice, Jr.	<i>New York City</i>	68 V.
Allan Harvey Richardson	<i>Waterbury, Conn.</i>	Dwight Hall
Ralph Redpath Richardson	<i>St. Joseph, Mo.</i>	326 W.
Frank McDonnell Camp Robertson	<i>Parish, N. Y.</i>	348 WH.
Thomas Markoe Robertson	<i>New York City</i>	240 D.
Charles Edgar Rogers, Jr.	<i>Brooklyn, N. Y.</i>	249 L.
Ralph Ernest Rogers	<i>Rochester, N. Y.</i>	1151 Chapel st.
Thomas Wright Russell, Jr.	<i>Hartford, Conn.</i>	264 L.
Frederick Richard Ryan	<i>New Haven, Conn.</i>	46 Lafayette st.
Carl Frederick Francis Schulz	<i>Corona, N. Y.</i>	416 B.
William Prescott Scott	<i>San Francisco, Cal.</i>	26 V.
Herbert Scoville	<i>New York City</i>	57 V.
Frank Rose Serles	<i>Hornellsville, N. Y.</i>	149 F.
Henry Pleasants Shaw	<i>Lexington, Ky.</i>	128 N.
Jacques Lewis Silverman	<i>Williamsport, Pa.</i>	149 F.
Norton Myron Skiff	<i>Dundee, N. Y.</i>	66 W. D.
Ernest Walker Smith	<i>Hartford, Conn.</i>	321 W.
George Milton Smith	<i>New York City</i>	368 WH.
Richard Selden Spencer	<i>Deep River, Conn.</i>	253 L.
Robert Vaughan Spencer	<i>Jasper, N. Y.</i>	420 B.
Lester Morgan Spier	<i>Glens Falls, N. Y.</i>	19 V.
William Arthur Stickney	<i>St. Louis, Mo.</i>	44 V.
George Schley Stillman	<i>Brooklyn, N. Y.</i>	320 W.
Emanuel Emory Straus	<i>Louisville, Ky.</i>	201 D.
Prentice Strong	<i>New York City</i>	15 E. D.
Frederick William Struby	<i>Denver, Col.</i>	1076 Chapel st.
James Spencer Taintor	<i>Hartford, Conn.</i>	220 D.
Howard Frank Taylor	<i>New Haven, Conn.</i>	101 W. D.
Charles Thaddeus Terry	<i>Milan, Italy</i>	97 N.
Arthur Abbot Thomas	<i>Providence, R. I.</i>	255 L.
Charles Ai Thomas	<i>New Milford, Conn.</i>	113 N.
John Hudson Thomas	<i>Berkeley, Cal.</i>	257 L.
Leonard Moorhead Thomas	<i>Philadelphia, Pa.</i>	50 V.
Edwin Potter Thompson	<i>Fort Douglas, Utah</i>	205 D.
Paul Thompson	<i>New Haven, Conn.</i>	131 F.
Malvern Hall Tillitt	<i>Elizabeth City, N. C.</i>	411 B.
Burton Isaac Tolles	<i>Ansonia, Conn.</i>	364 Orchard st.

John Canfield Tomlinson, Jr.	<i>New York City</i>	23 V.
Edward Everett Tredway	<i>Gloversville, N. Y.</i>	131 F.
Edwin Hotchkiss Tuttle	<i>New Haven, Conn.</i>	134 F.
Lucius Tuttle	<i>New Haven, Conn.</i>	134 F.
Burton Parker Twichell	<i>Hartford, Conn.</i>	178 LYC.
Kinsley Twining, Jr.	<i>Morristown, N. J.</i>	335 WH.
Roger Pierpont Tyler	<i>New Haven, Conn.</i>	34 College st.
Edwin Orlando Vaile, Jr.	<i>Oak Park, Ill.</i>	259 L.
Fred Miller VanWicklen	<i>Brooklyn, N. Y.</i>	245 L.
Joseph Tilney Wadsworth	<i>Plainfield, N. J.</i>	63 V.
Dana Lewis Walcott	<i>Rutherford, N. J.</i>	83 S. M.
Harold Sedgwick Wallace	<i>Ansonia, Conn.</i>	178 LYC.
Richard Wilson Walsh	<i>Chicago, Ill.</i>	323 W.
Harry Edwin Ward	<i>Clinton, Conn.</i>	251 L.
William Howe Warren	<i>Holden, Mass.</i>	239 D.
Cameron Beach Waterman	<i>Detroit, Mich.</i>	1 V.
William Prime Wattles	<i>Philadelphia, Pa.</i>	262 L.
James Hutchinson Wear	<i>St. Louis, Mo.</i>	225 D.
Albert Micajah Webb	<i>Bell Buckle, Tenn.</i>	251 L.
Harvey Thomas Weeks, Jr.	<i>Chicago, Ill.</i>	78 S. M.
George Arnold Welch	<i>Cleveland, O.</i>	256 L.
Ralph Olney Wells	<i>Hartford, Conn.</i>	247 L.
Harry Dexter Wescott	<i>Haddonfield, N. J.</i>	263 L.
Wilhelmus David Allen Westfall	<i>Montague, N. J.</i>	591 P.
Heywood Hotchkiss Whaples	<i>Hartford, Conn.</i>	321 W.
Frost Montaine Wheeler	<i>St. Paul, Minn.</i>	262 L.
Carlton Taylor White	<i>Noroton, Conn.</i>	165 York st.
George Luther White, Jr.	<i>Waterbury, Conn.</i>	1151 Chapel st.
Ogden Watson White	<i>Waterbury, Conn.</i>	151 F.
James Lyman Whitney	<i>New Haven, Conn.</i>	344 Elm st.
Oliver Martin Wiard	<i>New Britain, Conn.</i>	125 N.
Arthur Shaler Williams	<i>New Haven, Conn.</i>	221 D.
Bluford Wilson, Jr.	<i>Springfield, Ill.</i>	326 W.
Edwin Barnes Wilson	<i>Claverack, N. Y.</i>	236 D.
Robert Bruce Wilson	<i>Portland, Oregon</i>	2 V.
Convers Buckingham Woolsey	<i>Englewood, N. J.</i>	349 WH.
Theodore Salisbury Woolsey, Jr.	<i>New Haven, Conn.</i>	304 W.
Alfred Parks Wright	<i>New Haven, Conn.</i>	266 L.
Jesse Sidney Wyler	<i>Cincinnati, O.</i>	315 W.
Arthur Frederic Yaggy	<i>Lake Forest, Ill.</i>	57 V.
Arthur Jewett Young	<i>Brunswick, Me.</i>	314 W.

## SOPHOMORE CLASS

Stephen Henry Abbey	<i>Kingston, N. Y.</i>	242 L.
Franklin Abbott	<i>Pittsburg, Pa.</i>	22 College st.
Gardner Abbott	<i>Cleveland, O.</i>	22 College st.
Oliver Sidney Ackley, Jr.	<i>Brooklyn, N. Y.</i>	161 F.
Clarence Henry Adams	<i>Denver, Col.</i>	234 D.
Ellis Adams	<i>Summit, N. J.</i>	22 College st.
George Waugh Albin	<i>St. Louis, Mo.</i>	161 F.
John deKoven Alsop	<i>Middletown, Conn.</i>	22 College st.
Coleman Emanuel Andel	<i>Belleville, Ill.</i>	154 F.
Roscoe Whalen Armstrong	<i>Clinton, Iowa</i>	409 B.
Anthony Brown Arnold	<i>Plainfield, Conn.</i>	157 F.
George Wheeler Babcock	<i>Neenah, Wisc.</i>	1076 Chapel st.
Charles Seiser Baer	<i>Lancaster, Pa.</i>	1076 Chapel st.
Phillips Bancroft	<i>Andover, Mass.</i>	110 N.
Courtlandt Dixon Barnes	<i>New York City</i>	22 College st.
Francis Blackman Barnett	<i>South Glastonbury, Conn.</i>	362 WH.
Charles Houghton Baxter	<i>Elmira, N. Y.</i>	229 D.
Raymond Vreeland Baylor	<i>Newark, N. J.</i>	233 D.
Laurance Baldwin Beckwith	<i>Toledo, O.</i>	231 D.
Krebs Beebe	<i>Chicago, Ill.</i>	250 Crown st.
Frederick Beers	<i>New Haven, Conn.</i>	171 F.
Martin Henry Bergen	<i>Hartford, Conn.</i>	388 B.
Raymond Bissell	<i>Buffalo, N. Y.</i>	270 L.
Dixon Boardman	<i>New York City</i>	22 College st.
Louis Frederick Boder	<i>St. Joseph, Mo.</i>	282 L.
William Gates Bourn	<i>Yonkers, N. Y.</i>	216 D.
Newton Case Brainard	<i>Hartford, Conn.</i>	140 F.
Jacob Braun	<i>New Haven, Conn.</i>	211 State st.
Armitt Brown	<i>Burlington, N. J.</i>	242 York st.
Irving VanDuyne Brown	<i>South Orange, N. J.</i>	145 F.
James Brown	<i>Buffalo, N. Y.</i>	150 College st.
Graham Brush	<i>New York City</i>	22 College st.
Julian Winsor Burdick	<i>Albany, N. Y.</i>	414 B.
Edwards Burgess	<i>New Haven, Conn.</i>	226 Whalley av.
Louis Herbert Burlingham	<i>Willimantic, Conn.</i>	531 P.
Frederic Burnham	<i>Chicago, Ill.</i>	1151 Chapel st.
John Booth Burrall	<i>Waterbury, Conn.</i>	274 L.
Leonard Theaker Bushnell	<i>New Bedford, Mass.</i>	162 F.
John Alexander Callender	<i>Providence, R. I.</i>	137 F.
Frederic Wells Campbell	<i>New Haven, Conn.</i>	100 Whalley av.
George Boone Carpenter	<i>Chicago, Ill.</i>	406 B.

Walter Lawrence Chamberlain	<i>Springfield, Mass.</i>	143 F.
Harry Baldwin Chamberlin	<i>Unionville, Conn.</i>	74 S. M.
Terry Joseph Chapin	<i>Enfield, Conn.</i>	365 WH.
William Lyman Chase	<i>Palmyra, N. Y.</i>	143 F.
Simeon Baldwin Chittenden, Jr.	<i>Brooklyn, N. Y.</i>	280 L.
Arthur Bryan Clark	<i>Milford, Conn.</i>	154 F.
Philo Douglas Clark	<i>Red Oak, Iowa</i>	242 L.
William Edward Clegg	<i>Providence, R. I.</i>	417 B.
Oliver Morton Clifford	<i>St. Louis, Mo.</i>	135 F.
Clement Hale Cochran	<i>Buffalo, N. Y.</i>	270 L.
Richard Huntington Cole	<i>Hartford, Conn.</i>	585 P.
Charles Harold Collins	<i>Brooklyn, N. Y.</i>	22 College st.
William Francis Collins	<i>New Haven, Conn.</i>	393 East st.
Henry Elliott Colton	<i>Campbellsville, Ky.</i>	91 W. D.
Robert Haskell Cory	<i>Englewood, N. J.</i>	595 P.
Harry Borrows Cox	<i>Newark, N. J.</i>	22 College st.
William Stickney Creevey	<i>Brooklyn, N. Y.</i>	22 College st.
Alfred Miller Cressler	<i>Fort Wayne, Ind.</i>	22 College st.
Charles Cyprian Strong Cushing	<i>Dobbs Ferry, N. Y.</i>	165 F.
Carl Willis Davis	<i>Hartford, Conn.</i>	599 P.
George Eugene Davis	<i>Hartford, Conn.</i>	101 W. D.
William Edward Davis, Jr.	<i>Whitneyville, Conn.</i>	1044 Chapel st.
David Sheldon Day	<i>Colchester, Conn.</i>	581 P.
William Edwards Day	<i>Indianapolis, Ind.</i>	414 B.
Sidney Norton Deane	<i>Northfield, N. Y.</i>	81 W. D.
James Rogers Deering	<i>New York City</i>	22 College st.
Edward Henry Delafield	<i>New York City</i>	129 F.
George Allen Dewey	<i>Oneida, N. Y.</i>	22 College st.
William LeRoy Dix	<i>Island Pond, Pa.</i>	285 York st.
Robert Bartlett Dresser	<i>Charlotte, N. C.</i>	409 B.
Holland Sackett Duell	<i>Washington, D. C.</i>	237 D.
William Wheeler Duncan	<i>Chatham, N. Y.</i>	135 F.
Frank Manson Eastman	<i>Boise, Idaho</i>	22 College st.
Edward Easton, Jr.	<i>Albany, N. Y.</i>	384 B.
Frank Atwater Elmes	<i>Derby, Conn.</i>	577 P.
William Dean Embree	<i>Berea, Ky.</i>	114 N.
Alfred Franklin Escher	<i>Brooklyn, N. Y.</i>	147 F.
William Abraham Evans	<i>Nanticoke, Pa.</i>	120 Dwight st.
Harold Chester Evarts	<i>Mertiden, Conn.</i>	61 W. D.
Willard Horace Fanton	<i>Weston, Conn.</i>	127 Dwight st.
Alton Farrel	<i>Ansonia, Conn.</i>	1002 Chapel st.
Alfred Ludlow Ferguson	<i>Stamford, Conn.</i>	22 College st.
Edward Fitzgerald	<i>Derby, Conn.</i>	126 N.
Allison Sweeney Fleming	<i>Fairmount, W. Va.</i>	1151 Chapel st.

Charles Paxson Flora	<i>Columbia, Pa.</i>	126 N.
Henry Lyman Foote	<i>New Haven, Conn.</i>	19 Howe st.
Sterling Thompson Foote	<i>New York City</i>	22 College st.
Charles Ring Foster	<i>Westfield, N. J.</i>	404 Crown st.
Edward Lyttleton Fox	<i>New York City</i>	394 B.
Charles Broaddus Francis	<i>St. Louis, Mo.</i>	129 F.
Charles Driver Francis	<i>Winchester, Tenn.</i>	99 N.
Nathan Roscoe Francis	<i>Winchester, Tenn.</i>	99 N.
Edward Wiley Frisbie	<i>Hartford, Conn.</i>	174 F.
Henry Larned Galpin	<i>New Haven, Conn.</i>	333 WH.
William Smith Garnsey, Jr.	<i>Gloversville, N. Y.</i>	590 P.
William Thomas Garrett	<i>Nashville, Tenn.</i>	281 L.
John Stephen Garvan	<i>Hartford, Conn.</i>	22 College st.
Robert Shaeffer Gast	<i>Pueblo, Col.</i>	234 D.
Robert Hale Ives Goddard, Jr.	<i>Providence, R. I.</i>	324 W.
William Benjamin Godfrey, Jr.	<i>Honolulu, H. I.</i>	1151 Chapel st.
James Lester Goodwin	<i>Hartford, Conn.</i>	214 D.
Percy VanDuzer Gott	<i>Goshen, N. Y.</i>	535 P.
Charles Gould	<i>Albany, N. Y.</i>	384 B.
Edwin Carleton Granbery	<i>New York City</i>	22 College st.
Robert Perkins Griffing	<i>Riverhead, N. Y.</i>	1076 Chapel st.
Frederic Prescott Griswold	<i>Meriden, Conn.</i>	21 E. D.
Raymond Gano Guernsey	<i>Poughkeepsie, N. Y.</i>	159 F.
William Potter Haines	<i>Buffalo, N. Y.</i>	250 Crown st.
Arthur Benedict Hall	<i>New Britain, Conn.</i>	281 L.
John Raymond Hall	<i>Dansville, N. Y.</i>	22 College st.
Lewis Burton Hall, Jr.	<i>Brooklyn, N. Y.</i>	218 D.
Henry William Hamlin	<i>Canandaigua, N. Y.</i>	330 W.
John LeRoy Hammond	<i>Savannah, Ga.</i>	18 College st.
William Hance	<i>Stephensburg, N. J.</i>	58 W. D.
John Babinger Hart	<i>Cincinnati, O.</i>	43 College st.
Wells Southworth Hastings	<i>New York City</i>	156 F.
Henry Osborn Havemeyer	<i>New York City</i>	20 V.
Laurent Heaton	<i>Hartford, Conn.</i>	214 D.
William Worthington Herrick	<i>Tampa, Fla.</i>	599 P.
George Ainslie Hewett	<i>Louisville, Ky.</i>	22 College st.
Theodore Brown Hewitt	<i>Williamstown, Mass.</i>	162 F.
James Crane Higgins	<i>East Orange, N. J.</i>	229 D.
Orrin Thrall Higgins	<i>Olean, N. Y.</i>	163 F.
William Alvin Higgins	<i>Flemington, N. J.</i>	122 N.
Alfred Reed Hill	<i>Nevada, Mo.</i>	373 Crown st.
George Washington Hitner	<i>Pottstown, Pa.</i>	525 P.
Lucius Hudson Holt	<i>Hartford, Conn.</i>	585 P.
Henry Stewart Hooker	<i>Washington, D. C.</i>	280 L.

William Brian Hooker	<i>Farmington, Conn.</i>	410 B.
Charles Sterns Hopkins	<i>Bangor, Me.</i>	22 College st.
Philip Mead Howe	<i>South Windsor, Conn.</i>	41 High st.
Samuel Henry Howe, Jr.	<i>Norwich, Conn.</i>	157 F.
Harry Mortimer Hubbell	<i>Northford, Conn.</i>	12 University pl.
James Wakeman Hubbell	<i>New York City</i>	155 Elm st.
Brewster Terry Hudson	<i>Rochester, N. Y.</i>	1151 Chapel st.
John Joseph Hughes	<i>Lansingburg, N. Y.</i>	349 Howard av.
George Huntington Hull, Jr.	<i>Tuxedo Park, N. Y.</i>	18 College st.
Howard Donald Humiston	<i>Minneapolis, Minn.</i>	208 Canner st.
Joseph Read Hunter	<i>Oak Park, Ill.</i>	282 L.
Alvan Waldo Hyde	<i>Hartford, Conn.</i>	140 F.
Frederick Francis Whitney Jackson	<i>West Haven, Conn.</i>	272 L.
D L James	<i>Kansas City, Mo.</i>	1076 Chapel st.
Floyd Welman Jefferson	<i>Louisville, Ky.</i>	22 College st.
Stewart Johnson	<i>Diaz, Mex.</i>	18 College st.
Leslie Morgan Johnston	<i>Westmoreland, N. Y.</i>	68 Mechanic st.
Edgar Allen Jones	<i>Scranton, Pa.</i>	1157 Chapel st.
Paul Jones	<i>Wilkes-Barre, Pa.</i>	228 D.
Frederic Rose Keator	<i>Rock Island, Ill.</i>	237 D.
James Cuyler Kimball	<i>Governor's Island, N. Y.</i>	69 v.
Arthur Hurlburt Kinney	<i>New Haven, Conn.</i>	208 Whalley av.
Edward Spring Knapp	<i>Bay Shore, N. Y.</i>	1151 Chapel st.
Herman Warren Knox	<i>New York City</i>	22 College st.
Walter Martin Krementz	<i>Newark, N. J.</i>	232 D.
Merritt Proctor Lancaster	<i>Lexington, Ky.</i>	22 College st.
Harry Langdon Laws	<i>Cincinnati, O.</i>	169 F.
George Lear, 2d	<i>Doylestown, Pa.</i>	156 F.
Eugene Selden Leavell	<i>Houston, Tex.</i>	159 Elm st.
Burton Howard Lee	<i>New Haven, Conn.</i>	146 Lamberton st.
Eugene Heitler Lehman	<i>Pueblo, Colo.</i>	77 S. M.
Norman Wicklow LeVally	<i>Chicago, Ill.</i>	1151 Chapel st.
George Gould Lincoln	<i>Washington, D. C.</i>	22 College st.
Roy Alton Lincoln	<i>Albany, N. Y.</i>	272 L.
George Walter Lindenberg	<i>Columbus, O.</i>	406 B.
Benjamin Robbins Curtis Low	<i>Brooklyn, N. Y.</i>	22 College st.
Ethelbert Ide Low	<i>Brooklyn, N. Y.</i>	22 College st.
Arthur Crosby Ludington	<i>New York City</i>	169 F.
Huc Mazelet Luquiens	<i>New Haven, Conn.</i>	333 WH.
Willard Blackinton Luther	<i>Providence, R. I.</i>	132 F.
Walter Lester Lyon	<i>New York City</i>	230 D.
Thomas Aloysius McAvoy	<i>Worcester, Mass.</i>	116 N.
Howard George McDowell	<i>Cohoes, N. Y.</i>	573 P.
John Clute McDowell	<i>Cohoes, N. Y.</i>	545 P.

Frank Eugene McGouldrick	<i>Cherryfield, Me.</i>	91 W. D.
John Sample McKelvy, Jr.	<i>Pittsburg, Pa.</i>	278 L.
James Nelson Mandeville	<i>Webster, N. Y.</i>	95 S. M.
Alfred Edgerton Manierre	<i>Chicago, Ill.</i>	535 P.
Frank Tucker Mason	<i>Brooklyn, N. Y.</i>	278 L.
Norman Howell Mason	<i>Chicago, Ill.</i>	231 D.
Roy Murdoch Mason	<i>Chicago, Ill.</i>	1076 Chapel st.
Howard Olcott Mather	<i>Suffield, Conn.</i>	216 D.
Henry Sargent Mead	<i>Dayton, O.</i>	22 College st.
Graham Kingsbury Mellen	<i>St. Paul, Minn.</i>	44 College st.
Payson McLane Merrill	<i>New York City</i>	22 College st.
Charles Conrad Meyer	<i>Louisville, Ky.</i>	22 College st.
Christian Meyer, Jr.	<i>Webster, N. Y.</i>	95 S. M.
Charles Duncan Miller	<i>New York City</i>	132 F.
Martin Peck Miller	<i>Westfield, Mass.</i>	261 L.
Charles Arthur Moore, Jr.	<i>Brooklyn, N. Y.</i>	22 College st.
Malcolm Moore	<i>Buffalo, N. Y.</i>	152 F.
Rodman Wister Moorhead	<i>Pittsburg, Pa.</i>	261 L.
Binnie Morison	<i>Montclair, N. J.</i>	147 F.
Herbert Edwin Morris	<i>New Haven, Conn.</i>	408 Crown st.
William Thomas Mullally	<i>New York City</i>	231 D.
George Guy Murphy	<i>Bridgeport, Conn.</i>	74 W. D.
Frank Wells Nevins	<i>Stamford, Conn.</i>	22 College st.
Downer Hazen Newell	<i>St. Johnsbury, Vt.</i>	215 D.
Samuel Newman	<i>Pueblo, Col.</i>	313 York st.
Robert Bruce Nisbet	<i>Rome, N. Y.</i>	77 S. M.
Edwin Gates Norman	<i>Ledyard, Conn.</i>	88 S. M.
Robert Castle Norton	<i>Cleveland, O.</i>	22 College st.
George Woodward Noyes	<i>Cincinnati, O.</i>	390 B.
Elwood Luther Orwig, Jr.	<i>Lansford, Pa.</i>	74 W. D.
Clifford Herrick Owen	<i>Cohocton, N. Y.</i>	88 S. M.
Andrew Dickson Packer	<i>Brooklyn, N. Y.</i>	533 P.
Albion Gile Peirce	<i>Methuen, Mass.</i>	271 L.
Harry Alfred Peters	<i>Allentown, Pa.</i>	119 Wall st.
Benjamin Judah Phelps	<i>West Suffield, Conn.</i>	332 Temple st.
Isaac Gray Phillips	<i>Winchester, Tenn.</i>	152 F.
Jay Morse Pickands	<i>Cleveland, O.</i>	22 College st.
Howard Weidner Pierce	<i>New Brighton, Pa.</i>	67 W. D.
Lucius Beverly Pond	<i>Unionville, Conn.</i>	142 F.
Roderick Potter	<i>Buffalo, N. Y.</i>	175 F.
Thomas Danford Potwin	<i>East Windsor, Conn.</i>	365 WH.
Robert Arthur Pritchard	<i>Brockton, Mass.</i>	259 L.
Arthur Almeron Quinby	<i>Orange, N. J.</i>	271 L.
Laurance Blanchard Rand	<i>Lawrence, N. Y.</i>	22 College st.



Kersey Coates Reed	<i>Kansas City, Mo.</i>	576 P.
Dorrance Reynolds	<i>Wilkes-Barre, Pa.</i>	22 College st.
Henry Suydam Reynolds	<i>New York City</i>	22 College st.
George Irving Rhoda	<i>Gloversville, N. Y.</i>	359 W.H.
Milo Barnum Richardson, Jr.	<i>Lime Rock, Conn.</i>	1076 Chapel st.
Edward Hammond Risley	<i>Waterbury, Conn.</i>	218 D.
Harry Miller Robbins	<i>St. Paul, Minn.</i>	250 Crown st.
Charles Asaph Roberts	<i>Hartford, Conn.</i>	41 High st.
Walter Farley Roberts	<i>Utica, N. Y.</i>	22 College st.
Henry Alexander Rogers	<i>New Haven, Conn.</i>	75 Broadway
Henry Pendleton Rogers, Jr.	<i>New York City</i>	324 W.
Albert Edward Roraback	<i>Canaan, Conn.</i>	35 College st.
Bronson Case Rumsey, 3d	<i>Buffalo, N. Y.</i>	22 College st.
Charles Cooke Russ	<i>Hartford, Conn.</i>	537 P.
Henry Camp Russ	<i>Hartford, Conn.</i>	537 P.
Henry Moore Russell, Jr.	<i>Wheeling, W. Va.</i>	1076 Chapel st.
Ralph Ryan	<i>Sharon, Conn.</i>	516 Chapel st.
Charles Felix Samson	<i>New York City</i>	22 College st.
Curtiss Aldrich Sanford	<i>Yonkers, N. Y.</i>	551 P.
Hugh Satterlee	<i>Rochester, N. Y.</i>	250 Crown st.
John Joseph Scanlan	<i>New Haven, Conn.</i>	40 Gregory st.
Gustav Schwab, 4th	<i>New York City</i>	551 P.
George Howard Sellers	<i>Buffalo, N. Y.</i>	311 York st.
Henry Stoddard Sherman	<i>Cleveland, O.</i>	22 College st.
William Richard Sidenberg	<i>New York City</i>	22 College st.
Ralph Merriam Simonds	<i>Worcester, Mass.</i>	237 York st.
Frank Huestis Sincerbeaux	<i>Moravia, N. Y.</i>	418 B.
Edward Levi Skinner	<i>Westfield, N. Y.</i>	22 College st.
Frank Joseph Sladen	<i>Portland, Oregon</i>	222 D.
Aubrey Adam Smith	<i>St. Edward, Nebr.</i>	18 College st.
Charles William Smith	<i>Easthampton, Mass.</i>	142 F.
Herbert William Smith	<i>North Haven, Conn.</i>	61 W. D.
Keith Smith	<i>Chicago, Ill.</i>	163 F.
Scott Lord Smith	<i>South Wilton, Conn.</i>	1076 Chapel st.
Keith Spalding	<i>New York City</i>	69 V.
Franklin Maynard Spear	<i>Lowell, Mass.</i>	233 D.
Roger Allen Spencer	<i>Jasper, N. Y.</i>	420 B.
Lyman Strong Spitzer	<i>Toledo, O.</i>	390 B.
George Emanuel Stansfield	<i>Midland Park, N. J.</i>	59 Prospect st.
Edwin Allen Stebbins	<i>Rochester, N. Y.</i>	22 College st.
Porter Steele	<i>Brooklyn, N. Y.</i>	230 D.
Melville Alphonse Stern	<i>New York City</i>	558 P.
Henry Budington Stoddard	<i>Bridgeport, Conn.</i>	274 L.
Samuel Harold Stone	<i>Syracuse, N. Y.</i>	383 B.
Frederick Harvey Strong	<i>Portland, Oregon</i>	222 D.

Rush Sturges	<i>Providence, R. I.</i>	22 College st.
Joseph Rockwell Swan, Jr.	<i>Utica, N. Y.</i>	22 College st.
Henry Lee Sweinhart	<i>Pottstown, Pa.</i>	127 Dwight st.
John Taber	<i>Auburn, N. Y.</i>	594 P.
Charles Denison Talcott	<i>Talcottville, Conn.</i>	143 F.
Louis Hart Talcott	<i>Talcottville, Conn.</i>	158 F.
Morris Gardner Talcott	<i>Talcottville, Conn.</i>	158 F.
Alan McLean Taylor	<i>Mansfield, O.</i>	406 B.
Bernard George Teel	<i>Wells, Me.</i>	74 S. M.
William Romer Teller	<i>Kingston, N. Y.</i>	1076 Chapel st.
John Ferguson Tenney	<i>Methuen, Mass.</i>	146 F.
Lyndon Blaine Tewksbury	<i>Bangor, Me.</i>	280 Elm st.
Henry Clarke Thacher	<i>New Haven, Conn.</i>	91 Park st.
Charles Seymour Thompson	<i>New Haven, Conn.</i>	127 N.
Richard Barber Tillinghast	<i>New York City</i>	132 F.
Harry Warren Tompkins	<i>Matteawan, N. Y.</i>	277 Crown st.
Mason Trowbridge	<i>Chicago, Ill.</i>	232 D.
Thomas Nugent Troxell	<i>West Pittston, Pa.</i>	22 College st.
Willis Gaylord Tucker, Jr.	<i>Albany, N. Y.</i>	523 P.
James Alden Valentine	<i>Breckinridge, Minn.</i>	1151 Chapel st.
Reginald Claypool Vanderbilt	<i>New York City</i>	31 V.
Dorr Viele	<i>Buffalo, N. Y.</i>	330 W.
Joseph Hill Walker	<i>Wartrace, Tenn.</i>	99 N.
Lewis Frederick Walton	<i>New York City</i>	212 D.
George Burwell Ward	<i>Bristol, Conn.</i>	159 F.
William Alfred Warner	<i>Hartford, Conn.</i>	92 S. M.
Henry Goodman Waters	<i>Buffalo, N. Y.</i>	167 F.
Arthur Yancey Wear	<i>St. Louis, Mo.</i>	22 College st.
William Robinson Weeks	<i>Adams, Conn.</i>	295 York st.
Bradley Agard Welch	<i>Torrington, Conn.</i>	312 W.
Paul Hamilton Welch	<i>Brooklyn, N. Y.</i>	587 P.
Henry Frank Wells	<i>New York City</i>	165 F.
John Jared Welsh	<i>South Orange, N. J.</i>	145 F.
Homer Augustus Wessel, Jr.	<i>Cincinnati, O.</i>	1076 Chapel st.
Arthur Stanley Wheeler	<i>New Haven, Conn.</i>	205 D.
Charles Dean White	<i>Auburn, N. Y.</i>	250 Cedar st.
Percy Gardiner White	<i>Gardiner, Me.</i>	22 College st.
Frederic Averill Whittlesey	<i>Hotchkissville, Conn.</i>	58 W. D.
Mark Skinner Willing	<i>Chicago, Ill.</i>	22 College st.
Samuel Dudley Woodhouse	<i>Wethersfield, Conn.</i>	233 D.
James Wright	<i>New York City</i>	228 D.
John Niel McLeod Wylie	<i>New York City</i>	108 High st.
Bartlett Golden Yung	<i>Hartford, Conn.</i>	214 D.

## FRESHMAN CLASS

Francis Johonnot Oliver Alsop	<i>Middletown, Conn.</i>	203 York st.
Charles Tubbs Andrews	<i>Penn Yan, N. Y.</i>	559 P.
Theodore Andrews	<i>Albany, N. Y.</i>	7 Library st.
Hugh Archbald	<i>Scranton, Pa.</i>	555 P.
George Stanleigh Arnold	<i>New Haven, Conn.</i>	24 Dwight st.
Stanfield Nichols Arnold	<i>New York City</i>	9 Library st.
William Brown Arvine	<i>New Haven, Conn.</i>	1169 Chapel st.
Morton Atwater	<i>Poughkeepsie, N. Y.</i>	1151 Chapel st.
Douglass Henry Atwill	<i>Kansas City, Mo.</i>	521 P.
Charles Crooke Auchincloss	<i>New York City</i>	254 York st.
Charles Russell Auchincloss	<i>New York City</i>	254 York st.
Thorne Baker	<i>Cincinnati, O.</i>	248 York st.
Walter Lewis Barber, Jr.	<i>Waterbury, Conn.</i>	574 P.
Perley Ernest Barbour	<i>Braintree, Mass.</i>	579 P.
Will Tilden Barker	<i>Farmington, N. H.</i>	231 York st.
Glover Beardsley	<i>Auburn, N. Y.</i>	1076 Chapel st.
Arthur Charles Becker	<i>Belleville, Ill.</i>	9 Library st.
Joseph Lewi Bendell	<i>Albany, N. Y.</i>	539 P.
Claude Garfield Bennethum	<i>Harrisburg, Pa.</i>	238 York st.
Josiah Henry Benton	<i>Branford, Conn.</i>	1161 Chapel st.
Leopold Clarence Berman	<i>New York City</i>	9 Library st.
James Milton Betts	<i>Newtown, Conn.</i>	200 Grove st.
Alfred Hoyt Bill	<i>Faribault, Minn.</i>	1151 Chapel st.
Robert Lounsbury Black	<i>Cincinnati, O.</i>	208 D.
Arthur George Blaisdell	<i>Goffstown, N. H.</i>	333 York st.
Howard Jasper Bloomer	<i>Norwalk, Conn.</i>	208 D.
William Alexander Blount, Jr.	<i>Pensacola, Fla.</i>	248 L.
Russell Bogue	<i>Brooklyn, N. Y.</i>	9 Library st.
Robert Elias Bond	<i>Kohala, H. I.</i>	293 York st.
Edward Charles Bowers	<i>Westfield, Mass.</i>	238 York st.
Charles Arnold Brady	<i>Norwich, Conn.</i>	16 Park st.
Allen Cleveland Bragaw	<i>Hartford, Conn.</i>	333 York st.
Samuel Mason Brereton	<i>E. Northfield, Mass.</i>	333 York st.
Raymond Paul Brinkman	<i>Kansas City, Mo.</i>	172 F.
Ralph Bristol	<i>Ansonia, Conn.</i>	250 York st.
Charles Tracy Brown	<i>Flushing, N. Y.</i>	203 York st.
Thomas Marshall Howe Brown	<i>Pittsburg, Pa.</i>	248 York st.
Ralph Willis Bumstead	<i>Boston, Mass.</i>	177 F.
Ralph Howard Burdett	<i>Hartford, Conn.</i>	529 P.
Robert Grey Bushong	<i>Reading, Pa.</i>	260 L.
Erwin Calmer	<i>Joliet, Ill.</i>	7 Library st.

James Noël Howard Campbell	<i>Hartford, Conn.</i>	223 York st.
Loren Russell Carter, Jr.	<i>Waterbury, Conn.</i>	159 Elm st.
George Brewster Chadwick	<i>Brooklyn, N. Y.</i>	203 York st.
Carl Mattison Chapin	<i>Waterbury, Conn.</i>	206 D.
Eliot Round Clark	<i>Farmington, Conn.</i>	333 York st.
Harold Terry Clark	<i>New Haven, Conn.</i>	459 Orange st.
Harry Henderson Clark	<i>Winchester, Tenn.</i>	130 Howe st.
Kilburn Dickinson Clark	<i>Castleton, Vt.</i>	427 Temple st.
Stephen Carlton Clark	<i>Cooperstown, N. Y.</i>	1076 Chapel st.
Allen Thomas Clement	<i>New York City</i>	1076 Chapel st.
George Franklin Coard	<i>Plainfield, N. J.</i>	237 York st.
Nathaniel Haviland Cobb	<i>Danville, Vt.</i>	1076 Chapel st.
Gifford Alexander Cochran	<i>Yonkers, N. Y.</i>	1074 Chapel st.
James Ryle Coffey	<i>New Haven, Conn.</i>	17 Autumn st.
Louis Garfield Coleman	<i>Springfield, Ill.</i>	293 York st.
Arthur Morris Collins	<i>Boston, Mass.</i>	250 L.
Walter Guthrie Collins	<i>Boston, Mass.</i>	361 W.H.
George Kimball Conant	<i>St. Louis, Mo.</i>	297 W.
Philip King Conduct	<i>Orange, N. J.</i>	155 Elm st.
Erastus Corning	<i>Albany, N. Y.</i>	237 York st.
David Uzal Cory, Jr.	<i>Englewood, N. J.</i>	597 P.
Alexander Craighead	<i>New York City</i>	203 York st.
James Pigott Cronan	<i>New Haven, Conn.</i>	455 Orange st.
Earle Rosman Crowe	<i>New York City</i>	1076 Chapel st.
Thomas Henry Curran	<i>New Haven, Conn.</i>	38 Lake pl.
Kenneth William Curtis	<i>Cincinnati, O.</i>	297 W.
Ephraim Clarence Cushman	<i>Ansonia, Conn.</i>	Ansonia
Merit Lancaster Davidson	<i>New York City</i>	219 York st.
Charles Orrin Day, Jr.	<i>North Germantown, N. Y.</i>	583 P.
Rodney Dean Day	<i>Catskill, N. Y.</i>	522 P.
Willard Joseph Denno	<i>Castleton, Vt.</i>	94 S. M.
Robert Emmet Digney	<i>White Plains, N. Y.</i>	120 High st.
Arthur Douglas Dodge	<i>New York City</i>	1076 Chapel st.
Edward Alfred Donohoe	<i>Lynn, Mass.</i>	589 P.
Edward Warren Dornian	<i>Stratford, Conn.</i>	Stratford
Walter Landon Douglass	<i>New London, Conn.</i>	73 Lake pl.
Truisten Polk Draper	<i>Wilmington, Del.</i>	231 York st.
John Martin Dreisbach	<i>Wilkes-Barre, Pa.</i>	600 P.
Herbert Lathe Drury	<i>Worcester, Mass.</i>	206 D.
Donald Austin Dunham	<i>Hartford, Conn.</i>	120 High st.
Harry Wilfred DuPuy	<i>Allegheny, Pa.</i>	248 York st.
George Gilbert Durant, Jr.	<i>Bethel, Conn.</i>	379 Crown st.
Clive Livingston DuVal	<i>Brooklyn, N. Y.</i>	250 York st.
Wilton Adams Earnshaw	<i>Lowville, N. Y.</i>	7 Library st.

John Eliason	<i>Chestertown, Md.</i>	246 L.
Bradford Ellsworth	<i>New York City</i>	268 L.
Nickolaus Louis Engelhardt	<i>Naugatuck, Conn.</i>	364 WH.
John Kuhn Evans	<i>McKeesport, Pa.</i>	313 York st.
George Barnett Everts	<i>Salisbury, Conn.</i>	516 Chapel st.
Robert Hall Ewell	<i>Washington, D. C.</i>	419 B.
Antonio Fachiri	<i>New York City</i>	250 York st.
Edward Josiah Failing	<i>Portland, Oregon</i>	565 P.
John J. Mitchell Fairbank	<i>St. Louis, Mo.</i>	532 P.
Joseph Fairbanks	<i>St. Johnsbury, Vt.</i>	1076 Chapel st.
Peter Elting Farnum, Jr.	<i>Port Jervis, N. Y.</i>	570 P.
Franklin Farrel, Jr.	<i>Ansonia, Conn.</i>	250 York st.
William Ferguson	<i>Manchester, Conn.</i>	516 George st.
Mansfield Ferry	<i>Chicago, Ill.</i>	547 P.
Morton Cross Fitch	<i>New York City</i>	570 P.
Edward Harold Fitzgerald	<i>Hebron, Conn.</i>	244 Grand av.
Minton Fluhrer	<i>New York City</i>	250 York st.
Pierrepont Beers Foster	<i>New Haven, Conn.</i>	217 D.
James Irving Fowler	<i>Glens Falls, N. Y.</i>	1074 Chapel st.
Alan Fox	<i>Detroit, Mich.</i>	557 P.
John Ross Freeman	<i>Warren, Pa.</i>	120 College st.
William Frew	<i>Pittsburg, Pa.</i>	250 York st.
Leonard Welles Frisbie	<i>Hartford, Conn.</i>	268 L.
William Shirley Fulton	<i>Waterbury, Conn.</i>	298 W.
Arnold Samuel Furst	<i>Jersey City, N. J.</i>	578 P.
Thomas Jefferson Gaines, Jr.	<i>New York City</i>	1076 Chapel st.
Julius Gans	<i>Chicago, Ill.</i>	563 P.
Frank Cameron Gilbert	<i>Brooklyn, N. Y.</i>	155 Elm st.
George Burton Gilbert	<i>Thomaston, Conn.</i>	71 Lake pl.
Edward Lathrop Gillespie	<i>Stamford, Conn.</i>	293 York st.
William White Gleason	<i>New York City</i>	580 P.
Irvine Goddard	<i>Widnes, England</i>	9 Library st.
Francis Spencer Goodwin	<i>Hartford, Conn.</i>	383 B.
George Augustus Goss	<i>Waterbury, Conn.</i>	1076 Chapel st.
Robert Andrew Granniss, Jr.	<i>Morris Plains, N. J.</i>	1076 Chapel st.
Charles Douglass Green	<i>New York City</i>	553 P.
Herbert Gouverneur Greene	<i>Brooklyn, N. Y.</i>	269 L.
Henry Farrand Griffin	<i>Buffalo, N. Y.</i>	250 York st.
Otto Harry Gruner	<i>New York City</i>	238 York st.
John George Haas, Jr.	<i>Lancaster, Pa.</i>	1151 Chapel st.
John Francis Hackett	<i>Meriden, Conn.</i>	Meriden
Chauncey Jerome Hamlin	<i>Buffalo, N. Y.</i>	248 York st.
George Bradley Hardy	<i>Bangor, Me.</i>	313 York st.
Robert Richards Hargis	<i>Louisville, Ky.</i>	1151 Chapel st.

William Loomis Harmount	New Haven, Conn.	238 Orchard st.
Alfred Lucius Hart	Waterbury, Conn.	572 P.
Harry Friedgen Hartjen	New York City	139 York st.
Julian Hartridge	Jacksonville, Fla.	242 York st.
Maurice Fitch Hawks	Buffalo, N. Y.	583 P.
Bronson Hawley	Bridgeport, Conn.	217 York st.
Rowland Hazard	Peace Dale, R. I.	568 P.
Samuel Frank Hedges	Greenport, N. Y.	1098 Chapel st.
Jerome Sayles Hess	New York City	415 B.
Brower Hewitt	Brooklyn, N. Y.	250 York st.
Albert Hileman	Frankstown, Pa.	34 Hillhouse av.
Theodore Edward Hill	New Haven, Conn.	34 Day st.
Charles Hitchcock, Jr.	New York City	552 P.
Harold Morley Hitchcock	Cleveland, O.	544 P.
Thomas Nicholas Hogan	Hartford, Conn.	35 Lynwood st.
Charles Sumner Holbrook	Jersey City, N. J.	134 Howe st.
Henry Chandler Holt	Brooklyn, N. Y.	569 P.
Thomas Hooker, Jr.	New Haven, Conn.	293 W.
Sidney Upson Hooper	Brooklyn, N. Y.	269 L.
Francis Stockbridge Houghteling	Winnetka, Ill.	250 York st.
Lawrence Augustus Howard	Hartford, Conn.	East Haven
Norman Churchill Hull	Pittsfield, Mass.	250 York st.
Roy Arthur Hunt	Pittsburg, Pa.	562 P.
George Sinclair Hurst	New York City Yale Hall, Franklin st.	
Roswell Bishop Hyatt	Meriden, Conn.	Meriden
William Lorne Irvine	Poplar Point, Manitoba	103 Park st.
Heberd James	Kansas City, Mo.	521 P.
Henry James	Baltimore, Md.	549 P.
Richard Gundry Jennings	Pittsburg, Pa.	250 York st.
Donald Kent Johnston	New York City	173 F.
Franklin Allen Johnston	New York City	223 York st.
William Poyntell Johnston	Wilmington, Del.	313 York st.
Joshua Henry Jones, Jr.	Columbus, O.	1075 Chapel st.
Nicholas Ridgely Jones	Springfield, Ill.	219 York st.
Herbert Cassius Kelly	New Haven, Conn.	209 Norton st.
Daniel Edwards Kennedy	New York City	7 Library st.
Francis Stanley Kent	Providence, R. I.	536 P.
James Barry Kilburn	Malone, N. Y.	219 York st.
Douglas Brooks Kimball	Salt Lake City, Utah	1151 Chapel st.
Eugene Allerton Kingman	Providence, R. I.	536 P.
Joseph Newcomb Kinney, Jr.	Cincinnati, O.	586 P.
Lucian Swift Kirtland	Poland, O.	116 High st.
Albert Richard Lamb	Waterbury, Conn.	250 York st.
Theodore Twyford Lane	Flushing, N. Y.	333 York st.

William Clark Langley	<i>Brooklyn, N. Y.</i>	9 Library st.
Charles Myron Latimer	<i>Newington, Conn.</i>	30 Beers st.
George Sidney Leach	<i>Gloversville, N. Y.</i>	176 F.
George Everson Leonard	<i>Syracuse, N. Y.</i>	569 P.
Howard Roderick LeVally	<i>Chicago, Ill.</i>	1151 Chapel st.
Dudley Payne Lewis	<i>Springfield, Mass.</i>	242 York st.
Charles Hammond L'Hommedieu	<i>Detroit, Mich.</i>	238 York st.
Paul Lindenberg	<i>Columbus, O.</i>	1151 Chapel st.
Charles William Littlefield	<i>Rockland, Me.</i>	313 York st.
Franklin Lockwood	<i>Brooklyn, N. Y.</i>	238 York st.
Arthur Channing Long	<i>Sharon, Mass.</i>	363 WH.
Willard Armstrong Lyon	<i>Middletown, N. Y.</i>	1151 Chapel st.
Randolph Lyons	<i>New Orleans, La.</i>	293 W.
John Hart McAlarney	<i>Harrisburg, Pa.</i>	1076 Chapel st.
Harvey Childs McClintock	<i>Pittsburg, Pa.</i>	600 P.
Robert Rutherford McCormick	<i>Chicago, Ill.</i>	564 P.
Earl McCulloch	<i>Gloversville, N. Y.</i>	176 F.
Irving McDonald	<i>St. Joseph, Mo.</i>	567 P.
James Patrick McDonough	<i>New Haven, Conn.</i>	38 Hallock st.
David Ritchie McKee, Jr.	<i>Washington, D. C.</i>	248 York st.
Cameron Mackenzie	<i>Port Deposit, Md.</i>	233 York st.
Donald McKesson	<i>New York City</i>	155 Elm st.
Robert Lewis McKnight	<i>Springfield, Mass.</i>	1076 Chapel st.
Donald Bradford MacLane	<i>New Haven, Conn.</i>	33 Howe st.
Henry Coit MacLean	<i>Litchfield, Conn.</i>	541 P.
Arthur Manierre	<i>Chicago, Ill.</i>	534 P.
Paul Ford Mann	<i>Buffalo, N. Y.</i>	540 P.
Milton Louis Marshall	<i>Auburn, N. Y.</i>	57 W. D.
Elmer Brown Mason	<i>Chicago, Ill.</i>	237 York st.
Macdonell Mason	<i>City of Mexico, Mex.</i>	250 York st.
Ralph Hill Melczer	<i>Phoenix, Arizona</i>	1076 Chapel st.
William George Metzger	<i>Chicago, Ill.</i>	1151 Chapel st.
Henry Edmund Mills	<i>Columbus, O.</i>	538 P.
James Bradford Minor	<i>Covington, Ky.</i>	586 P.
Douglas Maxwell Moffat	<i>Scranton, Pa.</i>	313 York st.
Walter Chafey Moodie	<i>W. Tisbury, Mass.</i>	25 Lynwood st.
Frank Wood Moore	<i>Elizabeth, N. J.</i>	329 W.
Daniel Harris Morgan	<i>Springfield, Mass.</i>	248 York st.
John Barrow Motter	<i>St. Joseph, Mo.</i>	567 P.
John Richard Moulton	<i>Salem, Mass.</i>	546 P.
Frank Burroughs Mulford	<i>Kansas City, Mo.</i>	172 F.
Arthur Daniel Mullen	<i>New Haven, Conn.</i>	433 Howard av.
Walter Starbuck Munson	<i>Utica, N. Y.</i>	313 York st.
Ralph Howard Nesmith	<i>Brooklyn, N. Y.</i>	223 D.

Almer Mayo Newhall	<i>San Francisco, Cal.</i>	238 York st.
Paul Sprague Ney	<i>Hartford, Conn.</i>	298 W.
James Knight Nichols	<i>Binghamton, N. Y.</i>	588 P.
William Penn Nixon, Jr.	<i>Chicago, Ill.</i>	313 York st.
Alfred Trecartin Ogden	<i>Brooklyn, N. Y.</i>	217 D.
Augustus Kountze Oliver	<i>Pittsburg, Pa.</i>	170 York st.
Daniel Lawrence Joseph O'Neill	<i>East Hartford, Conn.</i>	231 York st.
Frederick Lorraine Orlady	<i>Huntingdon, Pa.</i>	1151 Chapel st.
William Robert Orthwein	<i>St. Louis, Mo.</i>	9 Library st.
Erling Cornelius Ostby	<i>Providence, R. I.</i>	584 P.
George Grant Parkhurst	<i>Buffalo, N. Y.</i>	250 York st.
George Henry Parr	<i>Albany, N. Y.</i>	395 B.
Charles Seymour Parsons	<i>Akron, O.</i>	415 B.
John Hinsdale Partridge	<i>Thompsonville, Conn.</i>	10 Ashmun st.
Wheeler Hazard Peckham, 2d	<i>New York City</i>	238 York st.
Julius Deming Perkins, Jr.	<i>Litchfield, Conn.</i>	568 P.
Byron Ainsworth Pierce	<i>Olean, N. Y.</i>	584 P.
Claude Meek Pitcher	<i>Scranton, Pa.</i>	342 George st.
Howard Albert Plummer	<i>New York City</i>	553 P.
Horace Burton Pomeroy	<i>Troy, Pa.</i>	407 B.
George French Porter	<i>Chicago, Ill.</i>	155 Elm st.
Henry Potter	<i>St. Louis, Mo.</i>	561 P.
Charles Franklin Pratt	<i>Hartford, Conn.</i>	231 York st.
James Osborne Putnam, 2d	<i>New York City</i>	560 P.
John Ferson Putnam	<i>Columbus, O.</i>	538 P.
Hugh Rankin	<i>Peekskill, N. Y.</i>	173 F.
John Joseph Reilly	<i>Fairport, N. Y.</i>	98 N.
James William Reynolds	<i>St. Louis, Mo.</i>	543 P.
Samuel Wheaton Rhoads	<i>Wilkes-Barre, Pa.</i>	284 Crown st.
Joseph Foster Rhodes	<i>Chicago, Ill.</i>	1151 Chapel st.
George Huntington Richards	<i>Plainfield, N. J.</i>	139 F.
Harry Albert Rightmire	<i>Fairport, N. Y.</i>	98 N.
Stephen Garrett Roach	<i>New York City</i>	250 York st.
George Roberts, Jr.	<i>Hartford, Conn.</i>	250 L.
John Randolph Robinson	<i>Baltimore, Md.</i>	248 York st.
Cleveland Rogers	<i>Wakefield, R. I.</i>	238 York st.
William Journeay Roome, Jr.	<i>New York City</i>	139 F.
Henry Ide Root	<i>New Haven, Conn.</i>	58 Grove st.
Joseph Clinton Roraback	<i>Canaan, Conn.</i>	35 College st.
Arthur Jesse Rosenthal	<i>New York City</i>	1076 Chapel st.
Carleton Ferriss Rowell	<i>St. Louis, Mo.</i>	1151 Chapel st.
Ziegler Sargent	<i>New Haven, Conn.</i>	247 Church st.
Harold Merriam Sawyer	<i>Bridgeport, Conn.</i>	333 York st.
Lewis Albert Sayre	<i>New York City</i>	248 L.



Reeve Schley	<i>New York City</i>	582 P.
William Schroeder, Jr.	<i>New York City</i>	170 York st.
William Sperry Searles	<i>Cleveland, O.</i>	146 College st.
Brockholst Mathewson Smith	<i>Providence, R. I.</i>	1076 Chapel st.
George Arthur Smith	<i>Hartford, Conn.</i>	231 York st.
Lowell William Smith	<i>Albion, N. Y.</i>	249 Crown st.
Robert Seneca Smith	<i>Clarendon, Vt.</i>	94 S. M.
William Burr Wright Smith	<i>Bridgeport, Conn.</i>	287 York st.
Levings Hooker Somers	<i>Auburn, N. Y.</i>	57 W. D.
Frederic Randolph Stauffer	<i>Reading, Pa.</i>	238 York st.
Harry Root Stern	<i>New York City</i>	226 York st.
John Henry Stevens	<i>Exeter, N. H.</i>	231 York st.
John McAllister Stevenson, Jr.	<i>Pittsfield, Mass.</i>	556 P.
Ralph Griffiths Stillman	<i>Rahway, N. J.</i>	472 Orange st.
Charles Henry Stoll, Jr.	<i>New York City</i>	108 High st.
Theron Roundell Strong	<i>New York City</i>	235 D.
Thomas Sturgis, Jr.	<i>New York City</i>	552 P.
Jeremiah Barrett Sullivan	<i>New Haven, Conn.</i>	337 Columbus av.
Stuart Bruen Sutphin	<i>Cincinnati, O.</i>	566 P.
George Edmund Sykes	<i>Rockville, Conn.</i>	250 Crown st.
Harlan Couch Taylor	<i>Middletown, Conn.</i>	88 Park st.
William Hendrickson Taylor	<i>Burlington, N. J.</i>	122 N.
William Kenney Terriberly	<i>Somerville, N. J.</i>	333 York st.
Ralph Huntington Thacher	<i>Albany, N. Y.</i>	226 York st.
Herbert Franklin Thomas	<i>Lyons, N. Y.</i>	238 York st.
Joseph B. Thomas, Jr.	<i>New York City</i>	1076 Chapel st.
Theodore Gaillard Thomas, Jr.	<i>New York City</i>	575 P.
Donald Thompson	<i>Allegheny City, Pa.</i>	242 York st.
Edwin Vivian Thompson	<i>Louisville, Ky.</i>	1151 Chapel st.
George Jameson Thomson	<i>Wilton, Conn.</i>	25 High st.
George Rexford Tillson	<i>Montclair, N. J.</i>	237 York st.
Edward Perry Townsend	<i>New York City</i>	238 York st.
Arsene LeSeigneur Trenholm	<i>New York City</i>	217 York st.
John Marshall True	<i>Eureka Springs, Ark.</i>	92 S. M.
Edward Perry Truett	<i>Denver, Col.</i>	224 D.
Abraham Tulin	<i>Hartford, Conn.</i>	22 Ashmun st.
William Butler Tyler	<i>New Haven, Conn.</i>	34 College st.
Fred Brown Utley	<i>Gloversville, N. Y.</i>	176 P.
Samuel Oakley VanderPoel, Jr.	<i>New York City</i>	242 York st.
Harry Brown VanDeventer	<i>Elizabeth, N. J.</i>	329 W.
Douglass VanDyke	<i>Milwaukee, Wisc.</i>	248 York st.
Ernest Shelton VanTassel	<i>Morristown, N. J.</i>	242 York st.
Anson Wagar	<i>Middlesex, N. Y.</i>	237 York st.
James Reynolds Wait	<i>Auburn, N. Y.</i>	1151 Chapel st.

William Durrie Waldron	<i>Upper Montclair, N. J.</i>	120 N.
James Frederick Walker	<i>Denver, Col.</i>	224 D.
Raymond William Walker	<i>Westboro, Mass.</i>	401 B.
Walter Bertrand Walker	<i>New York City</i>	223 D.
Henry Mitchell Wallace	<i>Ansonia, Conn.</i>	250 York st.
Walter Franklin Wallace	<i>Chicago, Ill.</i>	233 York st.
Antonio Johnston Waring	<i>Savannah, Ga.</i>	407 B.
Arthur Woodward Warner	<i>Torrington, Conn.</i>	154 Bradley st.
George Plumptre Warner	<i>Buffalo, N. Y.</i>	155 Elm st.
Irving Henry Warner	<i>Fairport, N. Y.</i>	98 N.
George Augustine Washington, Jr.	<i>Wessyngton, Tenn.</i>	542 P.
Bradford Webster	<i>Waterbury, Conn.</i>	159 Elm st.
Edward Franklin Webster	<i>Rutland, Vt.</i>	136 Sherman av.
George Unangst Wenner	<i>Ogden, Utah</i>	1044 Chapel st.
Ethan Pryor Wescott	<i>Haddonfield, N. J.</i>	263 L.
William Burns Weston	<i>Cambridge, Mass.</i>	333 York st.
Edwin Reynolds Whitcomb	<i>Milwaukee, Wisc.</i>	248 York st.
Howard Sage White	<i>Waterbury, Conn.</i>	526 P.
John Richards White	<i>Providence, R. I.</i>	248 York st.
William Otis White	<i>Terre Haute, Ind.</i>	248 York st.
Everett Martin Whittemore	<i>Dennis, Mass.</i>	277 Crown st.
Willis Savage Whittlesey	<i>Morris, Conn.</i>	Yale Hall, Franklin st.
Theodore Harry Wickwire, Jr.	<i>Cortland, N. Y.</i>	1076 Chapel st.
Frederick William Wilhelmi	<i>New York City</i>	250 York st.
Lewis Alfred Williams, Jr.	<i>New York City</i>	177 F.
Orion James Willis	<i>Manchester, Tenn.</i>	130 Howe st.
William Ladd Winch	<i>Holyoke, Mass.</i>	333 York st.
Wilson Gordon Wing	<i>Bangor, Me.</i>	522 P.
William Basil Wood	<i>Florence, Ala.</i>	170 York st.
Harris Spring Woodman	<i>New Haven, Conn.</i>	68 Trumbull st.
John Eastman Woodruff	<i>Brooklyn, N. Y.</i>	242 York st.
Gerald Stanton Work	<i>Akron, O.</i>	250 York st.

FRESHMEN, 337

## SUMMARY

SENIORS	.	.	.	.	324
JUNIORS	.	.	.	.	258
SOPHOMORES	.	.	.	.	305
FRESHMEN	.	.	.	.	337
					<hr/>
					1224

# SHEFFIELD SCIENTIFIC SCHOOL

## GRADUATE STUDENTS

Harriet Elizabeth Abbott, B.A. } Vassar College 1895	Waterbury, Conn.	Waterbury
William Gilbert Anderson, M.D. } Western Reserve University 1883	Cleveland, O.	120 College st.
DeForest Baldwin, B.A. } Yale University 1899	New Haven, Conn.	260 Crown st.
Joseph Barrell, M.S. } Lehigh Univ. 1897	New Providence, N. J.	373 Crown st.
Birdie Iva Beals, PH.B. } University of Washington 1898	Burlington, Wash.	342 Crown st.
Alling Prudden Beardsley, B.A. } Wesleyan University 1898	Derby, Conn.	Derby
Walter Minor Bradley, PH.B. } Yale University 1899	New Haven, Conn.	1346 Chapel st.
Wilton Everett Britton, B.S. } N. Hampshire Coll. Agric. 1893	New Haven, Conn.	1317 Boulevard
James Ansel Brooks, PH.B. } Yale University 1898	Derby, Conn.	Derby
Ernest William Brown, PH.B. } Yale University 1897	New Haven, Conn.	106 Sherman av.
Katherine Jeannette Bush	New Haven, Conn.	133 Howe st.
Henry Seidel Canby, PH.B. } Yale University 1899	Wilmington, Del.	86 Wall st.
George Peabody Chandler, B.A. } Yale University 1895	Germantown, Pa.	46 College st.
William Churchill, B.A. } Yale University 1897	New Britain, Conn.	100 W. D.
Marion Warner Clark, } Mt. Holyoke College 1890	Saybrook, Conn.	78 Lake pl.
Herdman Fitzgerald Cleland, B.A. } Oberlin College 1894	Pierce, Nebr.	55 N. S. H.
Frederick Sears Coe, PH.B. } Yale University 1899	Newark, N. J.	
Hamlet Paul Collins, B.S. } Rutgers College 1899	New Brunswick, N. J.	73 Lake pl.
Charles Montague Cooke, Jr., B.A. } Yale University 1897	Honolulu, H. I.	112 College st.
William Lee Corbin, B.A. } Amherst College 1896	Norfolk, Conn.	116 W. D.
Elizabeth Street Dickerman, PH.D. } Yale University 1896	New Haven, Conn.	46 Lake pl.
Richard Julian Donnelly, PH.B. } Yale University 1899	Oxford, N. Y.	149 College st.

Guy King Dustin, PH.B. } Yale University 1899 }	Hartford, Conn.	51 Prospect st.
John Eastlund, B.S. } Bethany College 1898 }	Lindsborg, Kan.	16 Hughes pl.
Horace Jewell Fenton, B.A. } Yale University 1899 }	Willimantic, Conn.	90 Park st.
William Ebenezer Ford, PH.B. } Yale University 1899 }	New Haven, Conn.	16 Lynwood st.
Frederic Henry Beecher Fowler, PH.B. } Yale University 1899 }	New Haven, Conn.	308 Humphrey st.
Harry Courtlandt Gause, PH.B. } Yale University 1899 }	Wilmington, Del.	86 Wall st.
George Wilbur Fiske Gillette, PH.B. } Yale University 1896 }	New Haven, Conn.	A.
Julian Henry Goodman, PH.B. } Yale University 1899 }	New Haven, Conn.	11 Home pl.
Thomas Ezekiel Gravatt, B.S. } Rutgers College 1897 }	Clarksburgh, N. J.	73 Lake pl.
John Lewis Gregory, PH.B. } Yale University 1897 }	Erie, Pa.	A.
Matthew Griswold, Jr., PH.B. } Yale University 1888 }	Erie, Pa.	A.
Robert William Hall, PH.B. } Yale University 1895 M.A. Harvard University 1898 }	Cambridge, Mass.	48 N. S. H.
George Arthur Hanford, B.A. } Yale University 1898 }	Syracuse, N. Y.	276 Elm st.
Josiah Harmar, PH.B. } Yale University 1892 }	Philadelphia, Pa.	A.
Frederick Brown Harrison, PH.B. } Yale University 1899 }	New Haven, Conn.	83 Grove st.
Charles Montgomery Hathaway, Jr., B.A. } Yale University 1899 }	Olyphant, Pa.	36 E. D.
James Ladd Hitchcock, PH.B. } Yale University 1897 }	Buffalo, N. Y.	A.
Donald Russell Hooker, B.A. } Yale University 1899 }	New Haven, Conn.	436 Orange st.
Clara Marvin Hubbell, B.A. } Smith College 1887 }	Detroit, Mich.	409 Orange st.
Howard Maxwell Ingham, PH.B. } Yale University 1897 }	Philadelphia, Pa.	A.
Treat Baldwin Johnson, PH.B. } Yale University 1898 }	Bethany, Conn.	141 College st.
Edwin Hoyt Lockwood, M.E. } Yale University 1892 }	New Canaan, Conn.	55 Prospect st.

[Students marked "A" are candidates for the degree of Mechanical Engineer or Civil Engineer, who, having had one year of resident graduate study, are now pursuing courses of study in absence under the direction of the Faculty.]

William Crosby Marshall, M.E. } Yale University 1894	New Haven, Conn.	355 Willow st.
Charles Thomas Mitchell, B.S. } University of Pennsylvania 1899	Philadelphia, Pa.	57 Prospect st.
Julia Catharine Morris, B.S. } Smith College 1898	Utica, N. Y.	1144 Chapel st.
Henry Killam Murphy, B.A. } Yale University 1899	New Haven, Conn.	85 Sachem st.
John Killam Murphy, B.A. } Yale Univ. 1897, PH.B. Yale Univ. 1898	New Haven, Conn.	85 Sachem st.
Henry Hotchkiss Murray, PH.B. } Yale University 1893	Viola, Del.	A.
Rokuro Nakaseko, PH.D. } Johns Hopkins University 1899	Kyoto, Japan	20 Whalley av.
Henry James Nichols, B.A. } Yale University 1899	Binghamton, N. Y.	333 York st.
Julius Olsen, B.S. } Bethany Coll. (Kansas) 1898	Norway, Kansas	218 Mansfield st.
Charles Adams Peters, B.S. } Boston University 1897	Worcester, Mass.	Kent Lab'y.
William Kinney Pike, PH.B. } Yale University 1897	S. Killingly, Conn.	A.
Charles Theodore Ramsden, PH.B. } Yale University 1896	Santiago de Cuba, Cuba	A.
Chauncey Brewster Rice, PH.B. } Yale University 1894	New Haven, Conn.	56 N. S. H.
Alfred Ernest Richards, B.A. } Yale University 1898	Hartford, Conn.	90 Whalley av.
Henry Hollister Robinson, PH.B. } Yale University 1895	Hartford, Conn.	333 York st.
Walter Murray Sanders, PH.B. } Yale University 1899	Montclair, N. J.	111 Grove st.
Edward Christian Schneider, B.S. } Tabor College 1897	Shenandoah, Iowa	24 E. D.
William Kent Shepard, PH.B. } Yale University 1897	New Haven, Conn.	58 N. S. H.
Burke Smith, B.S. } University of Washington 1899	Auburn, Wash.	47 Lake pl.
Frederick Clark Stanley, B.A. } Williams College 1893	Bridgeport, Conn.	Bridgeport
Alfred Hall Stevens, PH.B. } Yale University 1893	Clinton, Conn.	A.
Edgar Crane Stiles, B.A. } Yale University 1886	West Haven, Conn.	West Haven
Carl Edwin Stromquist, B.A. } Bethany College 1899	McPherson, Kan.	59 Prospect pl.

Catharine Cullinan Sullivan, B.A. } Smith College 1889	Bridgeport, Conn.	Bridgeport.
Mabelle Morris Ufford, B.L. } Smith College 1899	New Haven, Conn.	343 Orange st.
Ralph Gibbs VanName, B.A. } Yale University 1899	New Haven, Conn.	121 High st.
William Valentine, PH.B. } Yale University 1897	New York City	162 S. L.
Halsey Albert Weaver, PH.B. } Yale University 1895	Woodstock, Conn.	65 Spring st.
Lynde Phelps Wheeler, PH.B. } Yale University 1894	New Haven, Conn.	333 York st.
William Arthur Whitcomb, PH.B. } De Pauw University 1894 and Yale University 1895	Glens Falls, N. Y.	A.
George Reber Wieland, B.S. } Pennsylvania State College 1893	Chester, Pa.	58 Mansfield st.
Alice Lincoln Wright, B.A. } Wellesley College 1897	New Haven, Conn.	128 York st.

GRADUATE STUDENTS, 76

## SENIOR CLASS

Harold Allen	<i>Pittsburg, Pa.</i>	119 Wall st.
John Appleton Allen	<i>New York City</i>	105 Wall st.
Gilmor Meredith Barroll	<i>Elizabeth, N. J.</i>	111 Grove st.
Jeremiah Hotchkiss Bartholomew	<i>Ansonia, Conn.</i>	119 Wall st.
William Roscoe Bassick	<i>Bridgeport, Conn.</i>	133 College st.
Roland Whitney Betts	<i>Brooklyn, N. Y.</i>	111 Grove st.
Charles Albert Bishop	<i>New Haven, Conn.</i>	28 Pearl st.
William David Brennan	<i>St. Paul, Minn.</i>	113 Wall st.
Alexander Montgomery Brooks	<i>Pittsburg, Pa.</i>	131 Grove st.
Horace Spalding Brown	<i>Chicopee Falls, Mass.</i>	131 Grove st.
William Knight Brown	<i>Denver, Col.</i>	113 Wall st.
Hugh Eleazer Burbank	<i>Plympton, Mass.</i>	293 York st.
Irving Edward Burdick	<i>Dansville, N. Y.</i>	77 Wall st.
Coler Campbell	<i>Huron, S. Dakota</i>	131 Grove st.
Frederic James Carnell	<i>Bristol, Conn.</i>	138 College st.
Everitte St. John Chaffee	<i>Amenia, N. Y.</i>	77 W. D.
Walter Thomas Charles	<i>Chicago, Ill.</i>	120 College st.
Harry Albert Chase, B.S. } University of Colorado 1899 }	<i>Boulder, Col.</i>	Yale Observatory
Alfred Knight Chittenden	<i>New Haven, Conn.</i>	83 Trumbull st.
Alfred Tennyson Clark	<i>Philadelphia, Pa.</i>	166 Meadow st.
Edwin Hill Clark	<i>Chicago, Ill.</i>	17 Hillhouse av.
Kenneth Kingsley Clarke	<i>Allegheny, Pa.</i>	117 Wall st.
Alonzo Rockwell Cluett	<i>Troy, N. Y.</i>	133 College st.
John Edward Collins	<i>West Haven, Conn.</i>	West Haven
William Wakefield Corbet	<i>Brookville, Pa.</i>	120 College st.
William Lathrop Cowdrey	<i>Pittsburg, Pa.</i>	109 Wall st.
Edward Clarence Dean	<i>Washington, D. C.</i>	135 Wall st.
Francis McLean Dickinson	<i>Rockville, Conn.</i>	103 Park st.
Charles Mason Dow, Jr.	<i>Jamestown, N. Y.</i>	96 Wall st.
Wyllis Edmund Dowd, Jr.	<i>New York City</i>	131 Grove st.
Charles Tarbell Dudley	<i>Washington, D. C.</i>	133 College st.
George Walter Dudley	<i>New Haven, Conn.</i>	526 George st.
Samuel William Dudley	<i>Westville, Conn.</i>	Westville
Henry Forrest Dutton, Jr.	<i>Gainesville, Fla.</i>	110 Wall st.
Amos Trowbridge Dwight	<i>Brooklyn, N. Y.</i>	101 Wall st.
Malcolm Mayer Eckhardt	<i>Hartford, Conn.</i>	22 College st.
William Joseph Ehrich	<i>New York City</i>	119 Wall st.
Carl Brandes Ely	<i>Bryn Mawr, Pa.</i>	133 College st.
John Ralph Emerson	<i>Ansonia, Conn.</i>	119 Wall st.
John Will Falls, 2d	<i>Memphis, Tenn.</i>	128 High st.

Arthur George Follett	<i>Townshend, Vt.</i>	22 Whalley av.
William Hanover Fulton	<i>New Haven, Conn.</i>	132 Columbus av.
Harry VanVleck Gifford	<i>Toledo, O.</i>	96 Wall st.
Ransom Hooker Gillet	<i>Dorset, Vt.</i>	96 Wall st.
Albert Valdemar Gude	<i>Atlanta, Ga.</i>	120 College st.
Perry Titus Wells Hale	<i>Portland, Conn.</i>	146 Bradley st.
William Edwin Hall	<i>Ridgway, Pa.</i>	17 Hillhouse av.
Walter Theobald Hartmann	<i>Chicago, Ill.</i>	113 Wall st.
Richard Hays Hawkins	<i>Pittsburg, Pa.</i>	17 Hillhouse av.
Edgar William Heller	<i>Newark, N. J.</i>	117 Wall st.
John Alfred Holland	<i>Cincinnati, O.</i>	99 Wall st.
Robert Murray Hosley	<i>New Haven, Conn.</i>	20 Clark st.
Henry Stuart Hotchkiss	<i>New Haven, Conn.</i>	133 College st.
Edward John House	<i>Allegheny, Pa.</i>	117 Wall st.
Frederick George Hughes	<i>Bridgeport, Conn.</i>	Bridgeport
James Barrett Monroe Hunker	<i>Brooklyn, N. Y.</i>	119 Wall st.
Norman Roscoe Huselton	<i>Pittsburg, Pa.</i>	103 Wall st.
John Hamilton Inman	<i>New York City</i>	133 College st.
James Duane Ireland	<i>New York City</i>	131 Grove st.
William Purviance Irwin	<i>Allegheny, Pa.</i>	111 Grove st.
Edward Lee Ives	<i>Bridgeport, Conn.</i>	117 Wall st.
Louis Tallmadge Jaques	<i>Chicago, Ill.</i>	113 Wall st.
George Rufus Johnson	<i>West Haven, Conn.</i>	113 Wall st.
Trumbull Kelly	<i>W. Superior, Wisc.</i>	133 College st.
Francis Julian Kennett, Jr.	<i>Chicago, Ill.</i>	103 Wall st.
Eben Beers Knowlton	<i>Brooklyn, N. Y.</i>	111 Grove st.
Charles Scott Landers	<i>Thurmont, Md.</i>	126 High st.
Arthur Russell Leeds	<i>Stamford, Conn.</i>	117 Wall st.
Walter Lewisohn	<i>New York City</i>	110 Wall st.
Clarence Hardin Littell	<i>Buffalo, N. Y.</i>	99 Wall st.
Charles Davenport Lockwood	<i>Stamford, Conn.</i>	117 Wall st.
Henry Luther Loomis	<i>New Rochelle, N. Y.</i>	96 Wall st.
Irving Luria Lyons	<i>New Orleans, La.</i>	101 Wall st.
Charles Cogswell McCord	<i>Milwaukee, Wisc.</i>	111 Grove st.
Raymond Augustus McGee	<i>Plainfield, N. J.</i>	133 College st.
Arthur Beardsley Maynard	<i>Utica, N. Y.</i>	131 Grove st.
Henry Franklin Merriam	<i>Summit, N. J.</i>	101 Wall st.
Mikael Minasian	<i>Adana, Turkey</i>	44 Sperry st.
Theodore Langdon Montague	<i>Chattanooga, Tenn.</i>	96 Wall st.
John William Morey	<i>Denver, Col.</i>	131 Grove st.
James Gasherie DeWitt Morrell	<i>Hartford, Conn.</i>	22 College st.
George Henry Murray, Jr.	<i>Viola, Del.</i>	54 Garden st.
Francis Patrick Nolan	<i>Mt. Carmel, Conn.</i>	Mt. Carmel
Charles Joel Parker	<i>Coventryville, N. Y.</i>	99 Wall st.



Marshall Custer Parshall	Warren, Pa.	109 Wall st.
James Graham Parsons	New York City	96 Wall st.
Harry Hubbard Pittinger	Brooklyn, N. Y.	96 Wall st.
William Earl Porter	Denver, Col.	96 Wall st.
Harry Longyear Preston	Roxbury, N. Y.	109 Wall st.
Frederick William Renshaw	Chicago, Ill.	111 Grove st.
Howard Richards, Jr.	New York City	111 Grove st.
Ira Richards, Jr.	N. Attleboro, Mass.	111 Grove st.
Herbert Robinson Rising	Newark, N. J.	101 Wall st.
William Cary Ross	Knoxville, Tenn.	99 Wall st.
Francis Augustus Ruggles	Washington, D. C.	1151 Chapel st.
Edward John Rungee	New Haven, Conn.	5½ Redfield st.
Edwyn deNormandie Sands	New York City	133 College st.
Orville Hickok Schell	Harrisburg, Pa.	117 Wall st.
Chaloner Baker Schley	New York City	22 College st.
Herbert Frank Seward	New Haven, Conn.	132 Bristol st.
Lee Simon Shoninger	New Haven, Conn.	77 Wall st.
Edmond Norton Skinner	Denver, Col.	109 Wall st.
Ellsworth Johnson Smith	North Haven, Conn.	61 W. D.
Edwin Newton Snitjer	West Side, Cal.	119 Wall st.
Jesse Wheat Speidel	Wheeling, W. Va.	103 Wall st.
Charles Comfort Starr	Cornwall, Conn.	120 College st.
Paul Sterling	Wilkes-Barre, Pa.	90 Wall st.
Elihu William Stevens	Middletown, Conn.	143 College st.
Henry Daniells Stowe	Enfield, Conn.	57 Grove st.
William Strobbridge	Stamford, Conn.	117 Wall st.
Edwin Allen Strong	Hartford, Conn.	133 College st.
Louis Henry Strouse	New Haven, Conn.	143 St. John st.
Robert Barry Sullivan	Denver, Col.	111 Grove st.
Waitstill Hastings Swenarton	Montclair, N. J.	117 Wall st.
John Foster Symes	Denver, Col.	131 Grove st.
Wyatt Warner Taylor	Stamford, Conn.	22 College st.
Raynham Townshend	New Haven, Conn.	133 College st.
Frank Pell Underhill	Norwalk, Conn.	57 Prospect st.
Andrew Gideon Underwood	Belleville, N. J.	117 Wall st.
William Hall Upham	Meriden, Conn.	Meriden
Rufus Adrian VanVoast	Cincinnati, O.	114 High st.
Richard Varick VanVredenburg	New Albany, Ind.	17 Hillhouse av.
Carl Louis Vietor	New York City	101 Wall st.
Edward Mansfield Walker	New Haven, Conn.	162 York st.
John Murray Watts	Philadelphia, Pa.	120 College st.
Herman Armour Webster	Chicago, Ill.	17 Hillhouse av.
John Egbert Wheeler	Portville, N. Y.	117 Wall st.
George Benjamin White	Cooperstown, N. Y.	118 College st.

William Henry White	<i>Waterbury, Conn.</i>	96 Wall st.
John Taylor Williams	<i>Frankfort, Ky.</i>	99 Wall st.
Abraham Wolodarsky	<i>New Haven, Conn.</i>	255 Columbus av.
Cornelius Delano Wood, Jr.	<i>Brooklyn, N. Y.</i>	111 Grove st.
SENIORS, 132		

## JUNIOR CLASS

Thomas Safford Adams	<i>New York City</i>	133 College st.
Gerard Barry Allen	<i>St. Louis, Mo.</i>	126 Wall st.
Howard Frank Allen	<i>Alton, Ill.</i>	133 College st.
George Edward Armstrong, Jr.	<i>New York City</i>	110 Wall st.
Morgan Kalani Armstrong	<i>Hampton, Va.</i>	131 Grove st.
Dorence Keith Atwater	<i>Meriden, Conn.</i>	333 York st.
Franklin Ballou, Jr.	<i>Leadville, Col.</i>	96 Wall st.
Wilfred Keefer Barnard	<i>St. Joseph, Mo.</i>	103 Wall st.
Charles Edward Bascom	<i>St. Louis, Mo.</i>	111 Grove st.
Raymond Everett Bassett	<i>Shelton, Conn.</i>	Shelton
Jasper Bayne	<i>New York City</i>	88 Wall st.
William Henry Beehler	<i>West Haven, Conn.</i>	West Haven
Ferdinand Lamot Belin	<i>Scranton, Pa.</i>	131 Grove st.
Edward Hopkins Benner	<i>Wellesley, Mass.</i>	105 Park st.
William Albion Bindley	<i>Pittsburg, Pa.</i>	110 Wall st.
Augustus Silliman Blagden	<i>Washington, D. C.</i>	133 College st.
Ross Whiting Bragg	<i>Cincinnati, O.</i>	103 Wall st.
David Egner Breinig	<i>New Milford, Conn.</i>	103 Wall st.
George Samuel Brigham	<i>Chicago, Ill.</i>	128 Wall st.
Richard DeWolfe Brixey	<i>Seymour, Conn.</i>	96 Wall st.
Ernest Brooks	<i>New York City</i>	96 Wall st.
Ernest Wilcox Brown	<i>New Haven, Conn.</i>	271 Lloyd st.
Arthur Buhrman	<i>Cincinnati, O.</i>	113 Wall st.
Irving Crawford Bull	<i>Middletown, N. Y.</i>	90 Wall st.
Robert Morse Chamberlin	<i>New Haven, Conn.</i>	4 Mansfield st.
Clinton Lowrie Childs	<i>Pittsburg, Pa.</i>	1 Hillhouse av.
James Harold Childs	<i>Pittsburg, Pa.</i>	88 Wall st.
Ernest Wesley Clark	<i>Shelton, Conn.</i>	132 Wall st.
William Merritt Clark	<i>New Haven, Conn.</i>	459 Orange st.
Ralph Oakley Clock	<i>Islip, N. Y.</i>	78 Lake pl.
Paul Brainard Condit	<i>Cleveland, O.</i>	116 College st.
William Norris Connor	<i>Maynard, Mass.</i>	96 Wall st.
Clarence Parker Cook	<i>Ore Hill, Conn.</i>	133 College st.
George Noble Copley	<i>New Britain, Conn.</i>	77 Wall st.
Eliot Cutter	<i>Brooklyn, N. Y.</i>	133 College st.
Charles Edwin Day	<i>Lakeville, Conn.</i>	285 York st.
Hilbert Francis Day	<i>Boston, Mass.</i>	132 Wall st.
Royal Franklin Ditmars	<i>New Haven, Conn.</i>	563 Orange st.
Homer Laing Dixon	<i>Chicago, Ill.</i>	110 Wall st.
Jacob Duhan	<i>New Haven, Conn.</i>	1136 State st.
Walter Duren	<i>Newark, N. J.</i>	77 Wall st.

Oscar Leslie Eberle	<i>East Orange, N. J.</i>	77 Wall st.
George Joseph Nelson Edmondson	<i>New Haven, Conn.</i>	18 Bishop st.
Walter Ernest Faithorn	<i>Chicago, Ill.</i>	22 College st.
Ernst Watson Farley	<i>Cleveland, O.</i>	132 Wall st.
James Aaron Farra	<i>Pisgah, Ky.</i>	17 Hillhouse av.
John Farwell Ferry	<i>Lake Forest, Ill.</i>	111 Grove st.
Montague Ferry	<i>Lake Forest, Ill.</i>	111 Grove st.
William Mann Fincke	<i>New York City</i>	133 College st.
Lewin Benjamin Fish	<i>New Haven, Conn.</i>	68 William st.
Charles Addison Foster	<i>Tacoma, Wash.</i>	131 Grove st.
John Aubrey Foulks	<i>Brooklyn, N. Y.</i>	96 Wall st.
Walter Seip Frisbie	<i>Meriden, Conn.</i>	333 York st.
Homer Gifford Fuller	<i>Shelton, Conn.</i>	132 Wall st.
Allen Gard	<i>Brooklyn, N. Y.</i>	109 Wall st.
Leon Lincoln Gay	<i>Barton Landing, Vt.</i>	138 College st.
Preston Johnston Gibson	<i>Washington, D. C.</i>	17 Hillhouse av.
Harold Arthur Gilbert	<i>New Haven, Conn.</i>	224 Oak pl.
Henderson Gilbert	<i>Harrisburg, Pa.</i>	1 Hillhouse av.
Charles Ross Gordon	<i>Rochester, N. Y.</i>	17 Hillhouse av.
Nisbet Grammer	<i>Cleveland, O.</i>	96 Wall st.
George Donald Guthrie	<i>Wilkes-Barre, Pa.</i>	133 College st.
Porter Thomas Hall	<i>Kansas City, Mo.</i>	1 Hillhouse av.
Thomas Henry Hall, Jr.	<i>New York City</i>	111 Grove st.
Oscar Stanley Hauser	<i>Neligh, Nebr.</i>	94 Lake pl.
Louis Hengerer	<i>Buffalo, N. Y.</i>	124 Wall st.
Charles Nelson Hickok, 2d	<i>Harrisburg, Pa.</i>	131 Grove st.
Herbert Fenton Hotchkiss	<i>New Haven, Conn.</i>	94 Olive st.
Francis Patrick Holden	<i>Meriden, Conn.</i>	Meriden
Albert Kemp Hubbard	<i>Kane, Pa.</i>	60 York sq.
William Brewster Hubbard	<i>W. Cornwall, Conn.</i>	40 Lake pl.
John Chambers Humbird	<i>Pittsburg, Pa.</i>	77 Wall st.
William Albert Hyde	<i>North Haven, Conn.</i>	52 E. D.
George Samuel Jamieson	<i>Bridgeport, Conn.</i>	Bridgeport
Burdette Hubbard Johnson	<i>Clinton, Conn.</i>	8 Prospect pl.
Nelson Camp Johnson	<i>Meriden, Conn.</i>	132 Wall st.
Hugh McKean Jones	<i>Pittsburg, Pa.</i>	103 Wall st.
Harry Thomas Kehr	<i>Norwich, Conn.</i>	16 Park st.
Raymond Meserve Kellogg	<i>New Haven, Conn.</i>	109 Edwards st.
Philip Wheaton Rives King	<i>Newport, R. I.</i>	110 Wall st.
Clarence Mahlon Kline	<i>Philadelphia, Pa.</i>	133 College st.
Arthur Potter Knight	<i>Cleveland, N. Y.</i>	114 High st.
John Marcus Knight	<i>New Haven, Conn.</i>	492 Blatchley av.
Beverly Waugh Kunkel	<i>Harrisburg, Pa.</i>	99 Wall st.
George Lauder, Jr.	<i>Pittsburg, Pa.</i>	117 Wall st.

Thomas Phillips Leaman	<i>Cincinnati, O.</i>	1 Hillhouse av.
Ralph Randolph Lee	<i>Erie, Pa.</i>	96 Wall st.
Henry Stanton Leverich	<i>New York City</i>	90 Wall st.
Charles Bispham Levey	<i>Elizabeth, N. J.</i>	133 College st.
Watson Cooke Lewis	<i>St. Louis, Mo.</i>	133 College st.
Richard Charles Lincoln	<i>Hartford, Conn.</i>	132 Wall st.
Herbert Lucker	<i>Cincinnati, O.</i>	126 High st.
Chorbajian M. Luther	<i>Marash, Turkey</i>	828 Chapel st.
George West Mabee	<i>Balston Spa, N. Y.</i>	96 Wall st.
Ogden Trevor McClurg	<i>Chicago, Ill.</i>	110 Wall st.
Thomas Atterbury McGinley	<i>Pittsburg, Pa.</i>	1 Hillhouse av.
Charles Gilbert Miller	<i>New York City</i>	133 College st.
Hiram Miller	<i>Middlefield, Conn.</i>	295 York st.
Benton Cook Moss	<i>Kansas City, Mo.</i>	128 Wall st.
Louis Putnam Myers	<i>Yonkers, N. Y.</i>	111 Grove st.
Andrew Burton Mygatt, Jr.	<i>New Milford, Conn.</i>	103 Wall st.
Clive Seymour Newcomb	<i>Jersey City, N. J.</i>	111 Grove st.
Herbert Brinkerhoff North	<i>New Haven, Conn.</i>	1399 Chapel st.
John Stuart Ogilvie, Jr.	<i>Brooklyn, N. Y.</i>	17 Hillhouse av.
Rufus Parks, Jr.	<i>Washington, D. C.</i>	17 Hillhouse av.
Henry Pearce, Jr.	<i>Providence, R. I.</i>	133 College st.
Fred Ely Perkins	<i>Cleveland, O.</i>	17 Hillhouse av.
John Walter Perry	<i>Southport, Conn.</i>	124 Wall st.
John Jay Peter	<i>Louisville, Ky.</i>	117 Wall st.
Charles Samuel Phelps	<i>Warehouse Point, Conn.</i>	114 High st.
Ralph Asher Pike	<i>E. Woodstock, Conn.</i>	789 Orange st.
Frank Everson Powell, Jr.	<i>Columbus, O.</i>	126 Wall st.
Harry Hollister Read	<i>Bridgeport, Conn.</i>	90 Wall st.
George Harold Reid	<i>Bridgeport, Conn.</i>	137 Wall st.
Mortimer William Rice	<i>Scranton, Pa.</i>	124 Wall st.
John Alexander Rithet	<i>Victoria, B. C.</i>	1151 Chapel st.
Louis Mandelbaum Rosenbluth	<i>New Haven, Conn.</i>	101 William st.
Frederic Richard Rubsamen	<i>Murray Hill, N. J.</i>	107 Wall st.
Charles Edward Rudd	<i>Lakeville, Conn.</i>	128 High st.
Joseph Turner Ryerson	<i>Chicago, Ill.</i>	110 Wall st.
Walter Edward Sanford	<i>New Haven, Conn.</i>	54 Chambers st.
Edward Randall Saxton	<i>Westport, Conn.</i>	114 High st.
John Lyle Schermerhorn	<i>New Haven, Conn.</i>	37 Lynwood st.
Elmer Henry Schwartz	<i>Waterbury, Conn.</i>	114 High st.
Charles Hayden Shepard	<i>Rochester, N. Y.</i>	333 York st.
Frederick Augustus Sherwood	<i>Ottawa, Ill.</i>	99 Wall st.
Olin Lewis Sikes	<i>Suffield, Conn.</i>	119 Park st.
Max Silverman	<i>Williamsport, Pa.</i>	99 Wall st.
Allen Edgar Smith	<i>Hartford, Conn.</i>	17 Hillhouse av.

Bayard Marston Smith	<i>New York City</i>	111 Grove st.
Daniel Sanford Smith	<i>Bridgeport, Conn.</i>	133 Wall st.
Peter Levant Smith	<i>N. Tonawanda, N. Y.</i>	8 Prospect pl.
Charles Carroll Sprigg	<i>Dayton, O.</i>	109 Wall st.
Charles Musier Taintor, Jr.	<i>New York City</i>	110 Wall st.
Edwy Lycurgus Taylor, Jr.	<i>Albany, N. Y.</i>	133 Wall st.
William Thaw	<i>Allegheny, Pa.</i>	17 Hillhouse av.
Edward Schlager Toothe	<i>New York City</i>	96 Wall st.
Philip Troup	<i>New Haven, Conn.</i>	545 Orange st.
George Pennock Urban	<i>Buffalo, N. Y.</i>	99 Wall st.
Frederick Rust VanVechten	<i>Little Falls, N. Y.</i>	17 Hillhouse av.
Lloyd Daubeny Waddell	<i>Parsippany, N. J.</i>	131 Grove st.
Jeptha Homer Wade, Jr.	<i>Cleveland, O.</i>	133 College st.
Frederick Joseph Wahlig	<i>Shelton, Conn.</i>	Shelton
Ellison Guthrie Waite	<i>Columbus, O.</i>	114 High st.
Frank Sheridan Warmoth	<i>Lawrence, La.</i>	1 Hillhouse av.
Ralph Ogden Warrin	<i>Cooperstown, N. Y.</i>	128 High st.
Richard Halstead Warrin	<i>Cooperstown, N. Y.</i>	128 High st.
Ashbel Russell Welch	<i>Germantown, Pa.</i>	77 Wall st.
Arthur Thomas Welles	<i>New Haven, Conn.</i>	372 George st.
Bradford Wells	<i>Chicago, Ill.</i>	99 Wall st.
Davenport White	<i>Cannon, Conn.</i>	133 Wall st.
Milton James Whitely	<i>New York City</i>	17 Hillhouse av.
Frederic Eben Whitney	<i>Andover, Mass.</i>	8 Ashmun st.
Daniel Ingersoll Whittelsey	<i>Minneapolis, Minn.</i>	131 Grove st.
John Hough Wickersham	<i>Lancaster, Pa.</i>	117 Wall st.
Joseph Goodyear Wild	<i>New Haven, Conn.</i>	103 Wall st.
Arthur Pearson Wilder	<i>Lowell, Mass.</i>	111 Grove st.
Carlton Hulbert Woodruff	<i>Auburn, N. Y.</i>	96 Wall st.
Robert Raymond Wright	<i>Logan, O.</i>	99 Wall st.
Robert Weaver Zimmerman	<i>New York City</i>	107 Wall st.

JUNIORS, 160

## FRESHMAN CLASS

Frank Mears Adams	<i>New Haven, Conn.</i>	483 Orange st.
Thomas Davies Adams	<i>Westport, Conn.</i>	Westport
Robert Wade Allerton	<i>Waterbury, Conn.</i>	77 Wall st.
John Wright Armstrong	<i>New Haven, Conn.</i>	24 High st.
Walter Arnstein	<i>New York City</i>	126 Wall st.
Edward Monroe Bailey, Jr.	<i>Middletown, Conn.</i>	295 York st.
William Bailey	<i>Somers, N. Y.</i>	397 Temple st.
Arthur Barnwell, Jr.	<i>Charleston, S. C.</i>	1 Hillhouse av.
Hartley Harris Bartlett	<i>Annapolis, Md.</i>	333 York st.
Lindon Wallace Bates, Jr.	<i>Chicago, Ill.</i>	110 Wall st.
Joe Edward Bayrd	<i>St. Louis, Mo.</i>	397 Temple st.
Arthur Glenney Belden	<i>New Haven, Conn.</i>	186 Sherman av.
Charles Frederick Blood, Jr.	<i>Ware, Mass.</i>	74 Lake pl.
Nelson Blount	<i>New York City</i>	150 Grove st.
Edward Wallace Brainard	<i>S. Orange, N. J.</i>	126 High st.
James Jacob Brainard	<i>Pittsburg, Pa.</i>	391 Temple st.
Howard Stanley Bristol	<i>Meriden, Conn.</i>	124 Wall st.
Albert Turney Brown	<i>Fairfield, Conn.</i>	Fairfield
Earle Wayne Brown	<i>New Haven, Conn.</i>	220 Lawrence st.
Nathan Haggett Brown	<i>Brooklyn, N. Y.</i>	104 Wall st.
Austin Jenkins Bruff	<i>Brooklyn, N. Y.</i>	391 Temple st.
George Whitfield Butts, Jr.	<i>New York City</i>	393 Temple st.
Owen Good Butts	<i>Council Bluffs, Iowa</i>	397 Temple st.
Ralph Waldo Campbell	<i>Salem, O.</i>	389 Temple st.
William Joseph Canada	<i>Westville, Conn.</i>	710 Chapel st.
Garrit Samuel Cannon	<i>Hoboken, N. J.</i>	391 Temple st.
Charles David Carey	<i>Cheyenne, Wyoming</i>	22 College st.
Leslie Carter, Jr.	<i>Chicago, Ill.</i>	313 York st.
Norris Elmore Clark	<i>Plainville, Conn.</i>	140 College st.
Walter Symington Clark	<i>Louisville, Ky.</i>	389 Temple st.
William Wallace Clark, Jr.	<i>Castleton, Vt.</i>	427 Temple st.
Vincent Biddle Clarke	<i>Milford, Conn.</i>	Milford
Henry Martin Coffeen	<i>Chicago, Ill.</i>	133 Wall st.
John Roberts Coffin	<i>New York City</i>	387 Temple st.
William Bronson Cramer	<i>New Haven, Conn.</i>	147 Dwight st.
Robert Newton Crankshaw	<i>Akron, O.</i>	120 College st.
George Holloway Cressler	<i>Fort Wayne, Ind.</i>	110 Wall st.
John Chester Cromwell	<i>White Plains, N. Y.</i>	411 Temple st.
Burwell Morgan Crosthwaite	<i>Buffalo, N. Y.</i>	110 Wall st.
Horace Samuel Davis	<i>Hamden, Conn.</i>	Hamden

Willard Parker Dean	Bridgeport, Conn.	Bridgeport
Gratz Dent	Savannah, Ga.	104 Wall st.
William Henry Dickinson	Chester, Pa.	109 Wall st.
Wilcox Doolittle	Hamilton, Canada	395 Temple st.
Henry Stuart Dutcher	Nyack, N. Y.	217 York st.
Ben Sherman Eastman	Boise City, Idaho	409 Temple st.
Charles Remington Ellicott	Nyack, N. Y.	411 Temple st.
Morgan Shuit Elmer	Central Valley, N. Y.	397 Temple st.
Francis Patrick Fahy	New Haven, Conn.	343 Cedar st.
John Acton Civill Feeter	Yonkers, N. Y.	133 College st.
Martin Allen Finch	Thompsonville, Conn.	411 Temple st.
Thomas Aloysius Fogarty	New Haven, Conn.	264 Blatchley av.
Richard Hardin Gentry	Kansas City, Mo.	409 Temple st.
Liebig Wallis Gibbons	New York City	407 Temple st.
Robert Banks Gibson	San Francisco, Cal.	18 Trumbull st.
James Artemas Gould	Minneapolis, Minn.	393 Temple st.
Irwin Rew Green	Chicago, Ill.	133 Wall st.
Benjamin Lyman Greenbaum	New Haven, Conn.	401 George st.
Inslee Blair Greene	Belvidere, N. J.	128 Wall st.
Charles Edward Greenough	New York City	387 Temple st.
Roger Wolcott Griswold	Eric, Pa.	104 Wall st.
William Henry Hall	New Britain, Conn.	209 Orchard st.
Edward Waterman Hamilton	New Haven, Conn.	29 Warren st.
Harold Sherwin Hamlin	Elgin, Ill.	391 Temple st.
Newell Hobart Hargrave	Cincinnati, O.	397 Temple st.
Walter Vincent Harvey	New Orleans, La.	110 Wall st.
Nathan Wilbur Hendryx	New Haven, Conn.	82 Wall st.
William Mather Hicks	New York City	110 Wall st.
Joseph Adams Hill	Portland, Oregon	285 York st.
Charles Thomas Hindley	New York City	110 Wall st.
Bedford Forrest Hines	Decherd, Tenn.	59 Prospect st.
John Joseph Howard	New Haven, Conn.	161 Saltonstall av.
John Whitehouse Howell	New York City	389 Temple st.
Alex Crawford Hoyt	New Castle, Pa.	425 Temple st.
Lafayette Menefee Hughes	Denver, Col.	397 Temple st.
Edward Woods Hunt	Tacoma, Wash.	96 Wall st.
Lea Hunt	Wilkes-Barre, Pa.	22 College st.
Clarence Bancroft Ingraham, Jr.	Hartford, Conn.	128 High st.
Frederick Clark Inman	New York City	389 Temple st.
Kelley Robert Jacoby	Middletown, O.	119 Wall st.
Julius French Janes	Cleveland, O.	419 Temple st.
Frederick Townsend Jarman	Hartford, Conn.	333 York st.
Edward William Jeffcott	New Haven, Conn.	102 York sq.
Ferdinand Frazier Jelke	Chicago, Ill.	110 Wall st.



Albert Herman Jente	<i>New Haven, Conn.</i>	97 Bristol st.
Paul Julius Herman Jente	<i>New Haven, Conn.</i>	97 Bristol st.
Walter Alpheus Jones	<i>New Haven, Conn.</i>	82 Wooster st.
Mortimer Nelson Judd	<i>New Britain, Conn.</i>	411 Temple st.
Rolfe Kingsley	<i>New York City</i>	104 Wall st.
Mabie Crouse Klock	<i>Syracuse, N. Y.</i>	409 Temple st.
Edward Charles Koenig	<i>Tonawanda, N. Y.</i>	88 Lake pl.
William Henry Lamprecht, 2d	<i>Cleveland, O.</i>	145 College st.
Ralph Walker Langley	<i>New Haven, Conn.</i>	229 Blatchley av.
Fred Warner Laubin	<i>New Haven, Conn.</i>	405 Temple st.
Henry Way Leal	<i>Plainfield, N. J.</i>	86 w. d.
Charles Stanley Leavenworth	<i>Hamden, Conn.</i>	Whitneyville
Richmond Mortimer Levering	<i>La Fayette, Ind.</i>	391 Temple st.
Stephen Orloff Lockwood, Jr.	<i>Brooklyn, N. Y.</i>	1151 Chapel st.
Ben Ali Haggin Lounsbery	<i>New York City</i>	110 Wall st.
Paul MacCormac	<i>Poughkeepsie, N. Y.</i>	1151 Chapel st.
Lesley McCreath	<i>Harrisburg, Pa.</i>	1 Hillhouse av.
George Southmayd Macdonald	<i>New York City</i>	128 Wall st.
Neil Macneale	<i>Cincinnati, O.</i>	150 Grove st.
Albert Francis McWilliams	<i>New Haven, Conn.</i>	36 Elm st.
William Duncan Malcolm	<i>New Haven, Conn.</i>	33 Bishop st.
Harry Clifford Martin	<i>Brooklyn, N. Y.</i>	333 York st.
Champion Herbert Mathewson	<i>Milford, Conn.</i>	Milford
Frank Eveleth Maynard	<i>Providence, R. I.</i>	110 Wall st.
George Albert Menge	<i>Philadelphia, Pa.</i>	20 Carmel st.
Martin Francis Menton	<i>Derby, Conn.</i>	Derby
John Edward Meyer	<i>New York City</i>	425 Temple st.
Henry Christopher Minor	<i>Andover, Mass.</i>	364 Howard av.
Ralph Daniel Mitchell	<i>Cleveland, O.</i>	391 Temple st.
Albion Ralph Moore	<i>New Haven, Conn.</i>	57 Lake pl.
Frank Joseph Moran	<i>Hartford, Conn.</i>	55 Admiral st.
John Morgan	<i>Rome, N. Y.</i>	114 High st.
Joseph Maynard Morgan	<i>Washington, D. C.</i>	128 Wall st.
Moses Charles Myers	<i>New Haven, Conn.</i>	4 Jefferson st.
Antonie Jacques Newell	<i>New York City</i>	90 Wall st.
Wayne C. Nisbet	<i>Rome, N. Y.</i>	313 York st.
Dudley Sturgis Norton	<i>Babylon, N. Y.</i>	152 Grove st.
Michael J. O'Donnell	<i>Ansonia, Conn.</i>	Ansonia
William Dickey Oglesby	<i>Middletown, O.</i>	119 Wall st.
Frank Albert Olds	<i>Hartford, Conn.</i>	132 Wall st.
John Henry Overall, 2d	<i>St. Louis, Mo.</i>	393 Temple st.
Myron Ellis Overton	<i>Port Jefferson, N. Y.</i>	132 Wall st.
Harold Camp Parsons	<i>Durham, Conn.</i>	295 York st.
Herbert Hoyt Pease	<i>New Britain, Conn.</i>	407 Temple st.

Gaius William Perkins, Jr.	<i>Grand Rapids, Mich.</i> 409 Temple st.
George Willis Peters, Jr.	<i>Gt. Barrington, Mass.</i> 395 Temple st.
Paul Louis Phelan	<i>New York City</i> 393 Temple st.
Wyllys Irvin Phelps	<i>Thompsonville, Conn.</i> 130 Howe st.
Frank Lyman Phillips	<i>New Haven, Conn.</i> 389 Orange st.
Hal. Carnegie Phipps	<i>Pittsburg, Pa.</i> 389 Temple st.
Arthur Morse Potter	<i>Denver, Col.</i> 124 Wall st.
Nathaniel Restcome Potter	<i>Rochester, N. Y.</i> 110 Wall st.
• William Benham Price	<i>New Haven, Conn.</i> 291 York st.
James Courtney Punderford	<i>New York City</i> 17 Hillhouse av.
William Dudley Putnam	<i>Chicago, Ill.</i> 411 Temple st.
Frank Lees Quinby	<i>New York City</i> 17 Hillhouse av.
Samuel James Reeves	<i>Philadelphia, Pa.</i> 110 Wall st.
Baxter Reynolds	<i>New York City</i> 407 Temple st.
Nicholas Ridgely Roberts	<i>Springfield, Ill.</i> 419 Temple st.
Robert Tuckerman Roberts	<i>Winsted, Conn.</i> 8 Prospect pl.
Luther Lawrence Roby	<i>Cleveland, O.</i> 419 Temple st.
Carroll Leslie Runyon	<i>Plainfield, N. J.</i> 86 w. d.
Samuel Lyon Russell	<i>Seattle, Wash.</i> 409 Temple st.
John Longer deSaulles	<i>S. Bethlehem, Pa.</i> 131 Grove st.
Edwin Adams Sayward	<i>Oswego, N. Y.</i> 411 Temple st.
Karl August Schaefer	<i>Windsor Locks, Conn.</i> 8 Prospect pl.
Kenneth Baker Schley	<i>Far Hills, N. J.</i> 387 Temple st.
Alexander Frederick Schneider	<i>Montowese, Conn.</i> Montowese
Carl Walter Schultz	<i>Murray Hill, N. J.</i> 389 Temple st.
John Chase Scully	<i>Lincoln, Ill.</i> 421 Temple st.
Harry Ackerman Shuart	<i>Ramsey, N. J.</i> 413 Temple st.
William Stiasny Sierck	<i>New York City</i> 425 Temple st.
Norman Leslie Snow	<i>Morristown, N. J.</i> 409 Temple st.
Kenneth Charles Soosmith	<i>New York City</i> 387 Temple st.
Leavenworth Porter Sperry	<i>Waterbury, Conn.</i> 110 Wall st.
Erwin Stanley	<i>New Britain, Conn.</i> 413 Temple st.
Ray Stearns	<i>Manchester, N. H.</i> 120 High st.
Harry Lucien Stephenson	<i>Roanoke, Va.</i> 333 York st.
Henry Glover Stevens	<i>Detroit, Mich.</i> 389 Temple st.
Edward Augustus Stillman	<i>Hartford, Conn.</i> 114 High st.
Wilhelmus Mynderse Stillman	<i>San Francisco, Cal.</i> 104 Wall st.
Douglas Pardee Street	<i>Chicago, Ill.</i> 393 Temple st.
Louie Palmer Strong	<i>Hartford, Conn.</i> 128 High st.
William Clark Symington	<i>Newark, N. J.</i> 147 Bradley st.
Harold Richmond Talbot	<i>New York City</i> 133 College st.
William Tatlock Taylor	<i>Hartford, Conn.</i> 114 High st.
Richard TenBroeck	<i>Louisville, Ky.</i> 128 Wall st.
William Bridges Thayer, Jr.	<i>Kansas City, Mo.</i> 409 Temple st.

Evan Barker Thomas	<i>Morristown, N. J.</i>	107 Wall st.
Lewin Hartley Thomas	<i>New Brighton, N. Y.</i>	107 Wall st.
Walter Ira Trench	<i>New Haven, Conn.</i>	Grand av. Heights
John Franklin Trumbull	<i>Hartford, Conn.</i>	132 Wall st.
John Ricord VanFleet	<i>Denver, Col.</i>	397 Temple st.
Robert Pelton Wadhams	<i>Torrington, Conn.</i>	204 Crown st.
William Knickerbocker Wallbridge	<i>Litchfield, Conn.</i>	110 Wall st.
Charles Lewis Watson	<i>Indianapolis, Ind.</i>	114 High st.
George Adams Watson	<i>Indianapolis, Ind.</i>	114 High st.
Livingston Whitney	<i>Morristown, N. J.</i>	387 Temple st.
Alfred Tennis Wick	<i>Cleveland, O.</i>	39 College st.
Thomas Lloyd Wickenden	<i>Buffalo, N. Y.</i>	150 College st.
Thomas Hilton Williams, Jr.	<i>Jersey City, N. J.</i>	391 Temple st.
Lloyd Adolph Wimpfheimer	<i>New York City</i>	126 Wall st.
John James Wright-Clark	<i>Newark, N. J.</i>	90 Wall st.

FRESHMEN, 187

## SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

Percy Williams Alling	<i>New Haven, Conn.</i>	120 Sherman av.
George Lester Carlisle, Jr.	<i>New Rochelle, N. Y.</i>	96 Wall st.
Donald Lee DeGolyer	<i>Evanston, Ill.</i>	131 Grove st.
Edward Harold Fisher	<i>New Rochelle, N. Y.</i>	22 College st.
James Boies Alleyne Fosburgh	<i>Buffalo, N. Y.</i>	111 Grove st.
Southard Hay	<i>Allegheny, Pa.</i>	131 Grove st.
Herbert Norton Loomis	<i>New Haven, Conn.</i>	136 Sherman av.
Edward Lee Marsh	<i>Sandusky, O.</i>	17 Hillhouse av.
John Dale Oille	<i>N. Tonawanda, N. Y.</i>	8 Prospect pl.
Charles Leonard Overlander	<i>New Haven, Conn.</i>	378 Crown st.
Clarence Kent Peck	<i>Chicago, Ill.</i>	22 College st.
Jasper Morgan Rowland	<i>Greenwich, Conn.</i>	104 Wall st.
Peirce Davies Schenck	<i>Dayton, O.</i>	17 Hillhouse av.
Chintaro Wakamatsu	<i>Tokyo, Japan</i>	16 Gill st.
John Emery White	<i>Buffalo, N. Y.</i>	22 College st.
Victor Wilson	<i>Kansas City, Mo.</i>	285 York st.

SPECIAL STUDENTS, 16

## SUMMARY

GRADUATES	76
SENIORS	132
JUNIORS	160
FRESHMEN	187
SPECIAL STUDENTS	16

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## YALE SCHOOL OF THE FINE ARTS

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Eleanor Pierson Alling	<i>New Haven, Conn.</i> 120 Sherman av.
William G. Anderson	<i>New Haven, Conn.</i> 120 College st.
Easter Armstrong	<i>New Haven, Conn.</i> 208 Canner st.
Frederick Sanford Atwater	<i>New Haven, Conn.</i> 291 George st.
Jean Howe Atwater	<i>New Haven, Conn.</i> 321 Whitney av.
S. Clifford Babbitt	<i>Meriden, Conn.</i> Meriden
James Whitney Barney	<i>New York City</i> 37 v.
Ethel Welles Bennett	<i>New Haven, Conn.</i> 357 Elm st.
Ethel Booth	<i>New Haven, Conn.</i> 53 Lake pl.
Bertha Kimbly Bradley	<i>New Haven, Conn.</i> 212 York st.
Mabel Daskam Bradley	<i>New Haven, Conn.</i> 1346 Chapel st.
Edward Dudley Bradstreet	<i>Meriden, Conn.</i> 273 L.
Shiras Campbell	<i>Elizabeth, N. J.</i> 46 v.
Howard Carleton	<i>Brooklyn, N. Y.</i> 279 L.
Lacey Davis Caskey	<i>Dresden, Germany</i> 168 F.
Henry Hall Christian	<i>Minneapolis, Minn.</i> 28 v.
Alice May Clark	<i>Bridgeport, Conn.</i> Bridgeport
Thomas Benedict Clarke, Jr.	<i>New York City</i> 355 WH.
Arthur Wilfred Clement	<i>Brooklyn, N. Y.</i> 51 v.
Nathaniel Haviland Cobb	<i>Danville, Vt.</i> 1076 Chapel st.
Owen Crawford	<i>Cincinnati, O.</i> 258 L.
John Walter Cross	<i>New York City</i> 9 v.
John Leslie Crosthwaite, Jr.	<i>Buffalo, N. Y.</i> 58 v.
Ethel Sheldon Curtis	<i>Stratford, Conn.</i> Stratford
Frank Adolph Ecker	<i>Middletown, Conn.</i> Middletown
Elizabeth Anna Ennis	<i>West Haven, Conn.</i> West Haven
William Farrow	<i>Middletown, Conn.</i> Middletown
Grace Whittier Ferris	<i>Brooklyn, N. Y.</i> 118 York st.
John Arthur Findley	<i>Andover, Mass.</i> 128 High st.
Harry Montieth Flint	<i>Collinsville, Conn.</i> 123 N.
Elizabeth Gallagher	<i>New Haven, Conn.</i> 13 University pl.
Mary Hayard Gussman	<i>Stamford, N. Y.</i> 568 Chapel st.
William Frederick Hamilton,	<i>New Haven, Conn.</i> 131 Washington st.
Blanche Eddy Harrison	<i>Wallingford, Conn.</i> Wallingford
Clara Elizabeth Hart	<i>Waterbury, Conn.</i> 83 Grove st.
Katherine Parret Hastings	<i>New Haven, Conn.</i> 248 Bradley st.
Henry Wilder Healy	<i>Brooklyn, N. Y.</i> 111 N.
Minnie Louise Hendrick	<i>West Haven, Conn.</i> West Haven

William Beck Hills	Orange, N. J.	80 s. m.
Sara Moulthrop Holbrook	New Haven, Conn.	1051 Chapel st.
Walter Bruce Howe	Washington, D. C.	238 D.
Ada Florence Howes	Bridgeport, Conn.	Bridgeport
Esther Isabelle Hull	New Haven, Conn.	268 Exchange st.
William Hills Hutchins	Indian Orchard, Mass.	82 s. m.
Mildred Cleora Jordan	New Haven, Conn.	181 Whalley av.
John William Joy	Waterbury, Conn.	76 s. m.
Lucius Collinwood Kingman	Providence, R. I.	373 W.
Wilford Williams Linsly	New York City	291 W.
James Lee Loomis	Granby, Conn.	258 L.
Huc Mazelet Luquiens	New Haven, Conn.	333 WH.
John Oppie McCall	Binghamton, N. Y.	400 B.
William Marsh McCutchen	Plainfield, N. J.	350 WH.
Edith Rebecca Maltby	New Haven, Conn.	23 Sylvan av.
Frederick Griswood Mason	Waterbury, Conn.	264 L.
Everett Victor Meeks	Meriden, Conn.	22 College st.
James Layng Mills	Philadelphia, Pa.	178 LYC.
Stephen VanRensselaar Taft Mix	New Haven, Conn.	600 George st.
Maude Josephine Munson	New Haven, Conn.	389 Whitney av.
Henry Killam Murphy, B.A. }	New Haven, Conn.	85 Sachem st.
Yale University 1899 }	Wallingford, Conn.	Wallingford
Ethel Stannard Norton	New York City	85 s. m.
Walker Lavallette Otis	Middletown, Conn.	Middletown
Valeria Pelton	New York City	393 Temple st.
Paul Louis Phelan	West Haven, Conn.	West Haven
Ardella Elwood Platt	Santa Barbara, Cal.	408 B.
John Pierrepont Rice	New Haven, Conn.	281 Willow st.
Katharine Parker Riley	New York City	240 D.
Thomas Markoe Robertson	New Haven, Conn.	143 College st.
Edith Sutherland Russell	Wheeling, W. Va.	1076 Chapel st.
Henry Moore Russell, Jr.	New Haven, Conn.	34 Hillhouse av.
Elizabeth Day Seymour	Suffield, Conn.	422 B.
Franklin Victory Sikes	Bridgeport, Conn.	Bridgeport
Lewis Palmer Skidmore	Hartford, Conn.	321 W.
Ernest Walker Smith	North Haven, Conn.	North Haven
Mabel Grace Smith	New Haven, Conn.	170 Commerce st.
August Spaenkuch	Waterbury, Conn.	103 N.
George Bremner Tennant	Portland, Me.	281 Crown st.
James Lawton Thompson	Greenwich, Conn.	83 Grove st.
John Alden Twachtman	New Haven, Conn.	33 College st.
Ernest Franklin Tyler	Oak Park, Ill.	259 L.
Edwin Orlando Vaile, Jr.	New Haven, Conn.	284 Orange st.
Helen Veader		

Lucy Lavinia Verrill	<i>New Haven, Conn.</i>	86 Whalley av.
Mabel Walsh	<i>New Britain, Conn.</i>	New Britain
Cameron Beach Waterman	<i>Detroit, Mich.</i>	I V.
Alice Hull Wetmore	<i>Winsted, Conn.</i>	281 Willow st.
Heywood Hotchkiss Whaples	<i>Hartford, Conn.</i>	321 W.
Ogden Watson White	<i>Waterbury, Conn.</i>	151 F.
Oliver Martin Wiard	<i>New Britain, Conn.</i>	125 N.
Herbert Gilman Williams	<i>Rochester, N. Y.</i>	374 WH.
Myra Estelle Wooster	<i>Bridgeport, Conn.</i>	Bridgeport
STUDENTS, 90		

Besides the above, the Freshman class of the Sheffield Scientific School (187 students) receive instruction in free-hand drawing.

## DEPARTMENT OF MUSIC

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Julia W. Andrews	<i>Southington, Conn.</i>	Southington
Harold Sears Arnold	<i>New Haven, Conn.</i>	30 v.
Clara Asher	<i>New Haven, Conn.</i>	23 Grove st.
Amy Spencer Austin	<i>New Haven, Conn.</i>	2 University pl.
Alanson Judson Baker	<i>Gloversville, N. Y.</i>	11 v.
Lucius Barnes Barbour	<i>Hartford, Conn.</i>	61 v.
James Whitney Barney	<i>New York City</i>	37 v.
Stephen Russell Bartlett	<i>Hartford, Conn.</i>	112 N.
Jessie Clarke Beecher	<i>Shelton, Conn.</i>	Bethany
Leta Moles Beecher	<i>Bethany, Conn.</i>	Bethany
Catherine Elizabeth Blatchley	<i>New Haven, Conn.</i>	219 Blatchley av.
Morgan Bulkeley Brainard	<i>Hartford, Conn.</i>	61 v.
Antoinette Brett	<i>New Haven, Conn.</i>	195 James st.
Theresa Brill	<i>New Haven, Conn.</i>	815 State st.
Lewis Hollister Bronson	<i>New Haven, Conn.</i>	89 S. M.
Armitt Brown	<i>Burlington, N. J.</i>	242 York st.
Eben McBurney Byers	<i>Allegheny, Pa.</i>	331 W. H.
William Woods Chandler, B.A. } Yale University 1896	<i>New Haven, Conn.</i>	31 High st.
Donald Chappell	<i>New London, Conn.</i>	370 W. H.
Mabel Edna Clarke	<i>New Haven, Conn.</i>	223 Whalley av.
Walter William Cook	<i>Southington, Conn.</i>	Southington
William Stickney Creevey	<i>Brooklyn, N. Y.</i>	22 College st.
Florence Isabel Cummings	<i>Plantsville, Conn.</i>	Plantsville
Jesse Dwight Dana	<i>Lewiston, Me.</i>	305 W.
George Allen Dewey	<i>Oneida, N. Y.</i>	22 College st.
Nellie Estelle Edmondson	<i>New Haven, Conn.</i>	173 Blatchley av.
Annie Young Fanslow	<i>New Haven, Conn.</i>	53 Salem st.
Addie Root Farr	<i>New Haven, Conn.</i>	
Harry Montieth Flint	<i>Collinsville, Conn.</i>	123 N.
Alice Gertrude Foley	<i>Silver Lane, Conn.</i>	Silver Lane
Henry Lyman Foote	<i>New Haven, Conn.</i>	19 Howe st.
Clara Brainerd Forbes	<i>East Haven, Conn.</i>	East Haven
William Ebenezer Ford, Jr., PH.B. } Yale University 1899	<i>New Haven, Conn.</i>	16 Lynwood st.
Charles Root Fowler, B.A. } Yale University 1899	<i>New Haven, Conn.</i>	308 Humphrey st.
Benjamin Joseph Garrity	<i>Southington, Conn.</i>	Southington
Louis Ferdinand Graeber	<i>Meriden, Conn.</i>	Meriden

Julia Stanley Gridley	<i>Southington, Conn.</i>	Southington
Leland Mortimer Haight	<i>East Haven, Conn.</i>	Foxon
Edna Hall	<i>Wallingford, Conn.</i>	Wallingford
Edward Roswell Hawley	<i>Huntington, Conn.</i>	Huntington
Carrie Butler Hendrick	<i>New Haven, Conn.</i>	62 Clark st.
Burns Henry	<i>Detroit, Mich.</i>	7 v.
Lida J. Hine	<i>New Haven, Conn.</i>	587 State st.
Leonard Albert Hochstadter	<i>New York City</i>	5 v.
Henry Wilder Healy	<i>Brooklyn, N. Y.</i>	111 N.
Lawrence Augustus Howard	<i>Hartford, Conn.</i>	East Haven
Bascom Johnson	<i>Washington, D. C.</i>	305 W.
Charles Alexis Kellogg, Jr.	<i>Carthage, Mo.</i>	159 Elm st.
Frederick Snow Kellogg	<i>Montclair, N. J.</i>	219 D.
Margery Kilburn	<i>New Haven, Conn.</i>	16 Gill st.
Edwin Arthur Kraft	<i>New Haven, Conn.</i>	150 Oak st.
William Jacob Kraft	<i>Bristol, Conn.</i>	Bristol
Mabel Estelle Leston	<i>New Haven, Conn.</i>	36 Cassius st.
Anita Lewis	<i>Plantsville, Conn.</i>	Plantsville
Kate Lee Lewis	<i>New Haven, Conn.</i>	121 Park st.
Porter Hodge Linthicum	<i>Evansville, Ind.</i>	311 W.
Agnes Littlejohn	<i>Norwalk, Conn.</i>	Norwalk
John Oppie McCall	<i>Binghamton, N. Y.</i>	400 B.
William Chase Mackey	<i>Franklin, Pa.</i>	34 v.
Edward Britton Manville	<i>New Haven, Conn.</i>	379 George st.
Samuel Clinton Marty	<i>Kansas City, Mo.</i>	332 WH.
Matataro Matsumoto, B.A.	} <i>Tokyo, Japan</i>	109 Elm st.
Imperial University of Japan 1893,		
PH.D. Yale University 1899		
Herbert Edwin Medway	<i>Scranton, Pa.</i>	386 B.
Everett Victor Meeks	<i>Meriden, Conn.</i>	22 College st.
Alice Fairman Moulthrop	<i>New Haven, Conn.</i>	620 Orange st.
Charles Edward Moulthrop	<i>West Haven, Conn.</i>	West Haven
Julius Neumann	<i>Westville, Conn.</i>	Westville
Florence M. Nichols	<i>Nichols, Conn.</i>	Nichols
Mary Elizabeth Nicoll	<i>New Haven, Conn.</i>	418 George st.
Clarence Eugene Ordway	<i>Winchester, Mass.</i>	211 D.
Charles Albert Page	<i>East Haven, Conn.</i>	East Haven
Robert William Parsons	<i>New York City</i>	60 v.
Lola G. E. Phinney	<i>New Haven, Conn.</i>	313 York st.
John Calhoun Pickett	<i>Northampton, Mass.</i>	86 s. M.
Sadie Burton Pickett	<i>Seymour, Conn.</i>	Seymour
Maurice Porter	<i>New Haven, Conn.</i>	1335 Chapel st.
Henry Oscar Price	<i>Galesburg, Ill.</i>	375 WH.
Elizabeth Stapleton Quinlan	<i>New Haven, Conn.</i>	35 Lynwood st.



Percy Avery Rockefeller  
 Hugh Satterlee  
 Oliver Taylor Sherwood, B.A. }  
     Yale University 1884 }  
 Alice Heloise Shoninger  
 Clyde Raymond Smith  
 David Stanley Smith  
 Herbert Raymond Smith  
 Richard Selden Spencer  
 Clara Spicer  
 Charles Stetson  
 Lyman Brumbaugh Stookey  
 Charles Denison Talcott  
 Ralph Willis Thomas  
 James Lawton Thompson  
 William Parsons Thorpe  
 George Rexford Tillson  
 George John Trinkaus  
 Clayton Humiston Tyler  
 Gardner Colby Walworth  
 Bertha Bronson Warner  
 Ella Elizabeth Wells  
 Florence Annette Wells  
 Emma Merrill White  
 George Luther White, Jr.  
 Agnes Matella Whitcomb  
 George Newell Whittlesey  
 Charles Sherrill Wilcox  
 Arthur Shaler Williams  
 Yoshi Yamaguchi

*New York City* 20 v.  
*Rochester, N. Y.* 250 Crown st.  
*Southport, Conn.* Southport  
*New Haven, Conn.* 385 Orange st.  
*New Haven, Conn.* 219 Columbus av.  
*Toledo, O.* 10 v.  
*New London, Conn.* 350 WH.  
*Deep River, Conn.* 253 L.  
*Groton, Conn.* Groton  
*Bangor, Me.* 39 v.  
*Belleville, Ill.* 182 LYC.  
*Takottville, Conn.* 143 F.  
*Anaconda, Mont.* 182 LYC.  
*Portland, Me.* 281 Crown st.  
*Philadelphia, Pa.* 528 P.  
*Montclair, N. J.* 237 York st.  
*Bridgeport, Conn.* Bridgeport  
*Hartford, Conn.* 64 Center st.  
*Newton Center, Mass.* 339 WH.  
*New Haven, Conn.* 163 Washington st.  
*Bridgeport, Conn.* Bridgeport  
*Wallingford, Conn.* Wallingford  
*New Haven, Conn.* 4½ Garden st.  
*Waterbury, Conn.* 1151 Chapel st.  
*New Haven, Conn.* 5 Gilbert av.  
*New Haven, Conn.* 338 WH.  
*East Haven, Conn.* Morris Cove  
*New Haven, Conn.* 221 D.  
*Kyoto, Japan* 351 Washington st.

STUDENTS, 107

## COURSES FOR TEACHERS

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Mary M. Abbott	<i>Watertown</i>	Watertown
Edith Adams	<i>New Haven</i>	120 St. John st.
DeWitt C. Allen	<i>Norwalk</i>	Norwalk
M. Adele Allen	<i>New Haven</i>	83 Grove st.
Mary M. Augur	<i>Westville</i>	Westville
Jessie E. Bailey	<i>New Haven</i>	20 Arthur st.
Annabel Baldwin	<i>New Haven</i>	344 Edgewood av.
Bessie M. Ball	<i>New Haven</i>	112 Gilbert av.
Frances B. Barney	<i>New Haven</i>	130 Cottage st.
G. Eleanor Barnum	<i>New Haven</i>	25 Trumbull st.
Lottie B. Bassett	<i>New Haven</i>	112 Ferry st.
Mary Bauman	<i>New Haven</i>	98 Ward st.
H. Elizabeth Beard	<i>Norwalk</i>	Norwalk
M. Grace Beecher	<i>New Haven</i>	220 Davenport av.
Arthur S. Bibbins	<i>Darien</i>	Darien
Mary N. Blatchley	<i>New Haven</i>	219 Blatchley av.
Martha E. Boyd	<i>New Haven</i>	568 Chapel st.
Lillian E. Bradley	<i>New Haven</i>	69 Howe st.
Mabel L. Bradley	<i>New Haven</i>	212 York st.
Maria L. Breen	<i>New Haven</i>	24 High st.
Anna M. Brennan	<i>New Haven</i>	12 Elliott st.
Anna S. Brennan	<i>New Haven</i>	59 Kimberly av.
Josephine Brennan	<i>New Haven</i>	541 Howard av.
Ella M. Broderick	<i>New Haven</i>	211 Norton st.
Nellie I. Brooks	<i>New Haven</i>	197 Exchange st.
S. Ellen Brown	<i>New Haven</i>	25 Whalley av.
Mary R. Burwell	<i>New Haven</i>	67 Howe st.
Jennie M. Campbell	<i>New Haven</i>	110 Blatchley av.
Cerelia S. Canfield	<i>New Haven</i>	66 Charles st.
Anne E. Clarke	<i>New Haven</i>	14 Home pl.
Emily M. Clarke	<i>New Haven</i>	14 Home pl.
Harriet B. Comstock	<i>New Haven</i>	65 York sq.
M. Elizabeth V. Conboy	<i>New Haven</i>	225 Portsea st.
Mary C. Conway	<i>New Haven</i>	261 Hamilton st.
Carrie A. Crittenden	<i>New Haven</i>	219 Blatchley av.
Rosella Cronan	<i>New Haven</i>	17 Compton st.
M. Florence Crowley	<i>New Haven</i>	99 St. John st.
Lucretia S. Cummings	<i>Plantsville</i>	Plantsville
Susan L. Davis	<i>New Haven</i>	361 George st.

Lucretia H. Dayton	<i>New Haven</i>	26 Edgewood av.
Emily M. DeForest	<i>New Haven</i>	45 Atwater st.
Edith Dettra	<i>New Haven</i>	568 Chapel st.
J. Irene Dibble	<i>South Norwalk</i>	South Norwalk
Mary J. Donovan	<i>Southington</i>	Southington
Helen C. Doolittle	<i>New Haven</i>	21 Clinton av.
Elizabeth B. Doyle	<i>New Haven</i>	210 Ferry st.
Katherine A. Elkin	<i>New Haven</i>	477 Prospect st.
Maude E. Field	<i>New Haven</i>	328 Humphrey st.
John S. Fitzpatrick	<i>Naugatuck</i>	Naugatuck
Harry E. Fowler	<i>Whitneyville</i>	Whitneyville
Margaret M. Fox	<i>New Haven</i>	212 Franklin st.
Ellen T. Fraher	<i>Ansonia</i>	Ansonia
Margaret I. Galbraith	<i>New Haven</i>	178 Blatchley av.
Miriam T. Galbraith	<i>West Haven</i>	West Haven
Bessie Gallaheer	<i>Essex</i>	Essex
Henrietta Gardiner	<i>New Haven</i>	109 Bristol st.
Elizabeth E. Gessner	<i>New Haven</i>	150 Bradley st.
Mary C. Griggs	<i>New Haven</i>	381 George st.
Alice B. Hammond	<i>New Haven</i>	43 Orchard st.
Minnie Hanrahan	<i>Stamford</i>	Stamford
Margaret L. Harrison	<i>Stamford</i>	Stamford
Katherine T. Harty	<i>New Haven</i>	178 Blatchley av.
Anna E. Hennig	<i>New Haven</i>	40 Whiting st.
Margaret Hickey	<i>Wallingford</i>	Wallingford
Helen M. Higgins	<i>New Haven</i>	415 George st.
Helen M. Higgins	<i>New Haven</i>	222 Sherman av.
Jessie E. Hine	<i>New Haven</i>	84 Cottage st.
Henry Etta I. Hoadley	<i>New Haven</i>	304 Crown st.
Harry Houston	<i>New Haven</i>	693 Elm st.
John D. Houston	<i>New Haven</i>	385 Whalley av.
Besse E. Howes	<i>Bridgeport</i>	Bridgeport
Franklin S. Hoyt	<i>Westville</i>	Westville
Harriet M. Hubbell	<i>New Haven</i>	22 Asylum st.
George B. Hurd	<i>New Haven</i>	8 Prospect st.
Clara A. Hurlburt	<i>New Haven</i>	1249 Chapel st.
Grace M. Hyland	<i>New Haven</i>	797 State st.
Hope N. Ives	<i>New Haven</i>	256 State st.
Thomas Jenkins	<i>New Haven</i>	33 Livingston st.
Calvin N. Kendall	<i>New Haven</i>	339 Humphrey st.
Edith King	<i>Plantsville</i>	Plantsville
Mary E. Kinsella	<i>New Haven</i>	13 Nash st.
David D. Lambert	<i>New Haven</i>	359 Howard av.
Mabel E. Lane	<i>New Haven</i>	19 Howard av.

Katherine Langtry	<i>New Haven</i>	227 Blatchley av.
Bessie Lathrop	<i>New Haven</i>	14 Bishop st.
Cathie M. Leary	<i>Naugatuck</i>	Naugatuck
Elizabeth Leary	<i>Naugatuck</i>	Naugatuck
Eva A. Lee	<i>New Haven</i>	32 Pine st.
John G. Lewis	<i>New Haven</i>	438 George st.
Sarah M. Lewis	<i>New Haven</i>	75 Third st.
Lena A. Lines	<i>Milford</i>	Milford
Marion Loudon	<i>Winnipauk</i>	Winnipauk
Florence L. Lowe	<i>New Haven</i>	330 Exchange st.
Grace E. Lowe	<i>New Haven</i>	340 Grand av.
Helen M. Lowe	<i>New Haven</i>	362 Grand av.
Elizabeth I. McCormick	<i>New Haven</i>	148 Putnam st.
Boynton McFarland	<i>New Haven</i>	355 Willow st.
Mary A. McFarland	<i>New Haven</i>	287 Willow st.
Clarence S. McLean	<i>Westville</i>	Westville
Mary A. Maher	<i>New Haven</i>	283 Sherman av.
Julia A. Malcolm	<i>New Haven</i>	131 Dwight st.
Mary A. Maltby	<i>New Haven</i>	49 Vernon st.
Dema G. Marble	<i>New Haven</i>	19 Beers st.
Milton M. Marble	<i>New Haven</i>	19 Beers st.
George A. Mirick	<i>New Haven</i>	442 George st.
Virginia P. Mix	<i>New Haven</i>	83 Mansfield st.
Rose A. Moriarty	<i>New Haven</i>	116 Lloyd st.
Arthur B. Morrill	<i>New Haven</i>	459 Orange st.
Anna E. Morris	<i>New Haven</i>	206 Grove st.
Kate S. Murphy	<i>Hartford</i>	Hartford
Julia Nadler	<i>New Haven</i>	122 Olive st.
Mollie Nadler	<i>New Haven</i>	122 Olive st.
Jennie T. Nash	<i>New Haven</i>	1 Sylvan av.
Elsie L. Ney	<i>Hartford</i>	Hartford
Sarah A. Nichols	<i>New Haven</i>	568 Chapel st.
Wilbur F. Nichols	<i>New Haven</i>	31 Livingston st.
Kathryne E. Noonan	<i>New Haven</i>	537 Howard av.
Georgina Norman	<i>New Haven</i>	66 Whalley av.
Marion E. Ocain	<i>New Haven</i>	43 Beers st.
Leonora T. O'Neill	<i>New Haven</i>	528 Howard av.
Sarah J. Ostrander	<i>New Haven</i>	328 Humphrey st.
Ella A. Parish	<i>Hartford</i>	Hartford
Caroline A. Parsons	<i>New Haven</i>	196 Blatchley av.
Eva J. Phelps	<i>New Haven</i>	18 Washington av.
Mabel G. Phelps	<i>New Haven</i>	90 Exchange st.
R. Eston Phyfe	<i>Hartford</i>	Hartford
Anna D. Pollard	<i>Plantsville</i>	Plantsville

Josephine L. Przelomiec	<i>New Haven</i>	199 Foster st.
Alice E. Reynolds	<i>New Haven</i>	315 Crown st
Alice G. Richards	<i>New Haven</i>	137 Edwards st.
Nellie J. Riggs	<i>New Haven</i>	252 Orchard st.
Annie L. Roberts	<i>New Haven</i>	10 Sylvan av.
S. Helena Robinson	<i>New Haven</i>	811 Orange st.
Mabel E. Rochfort	<i>New Haven</i>	46 Edwards st.
Grace M. Roraback	<i>New Haven</i>	35 College st.
W. Sheppard Sargent	<i>New Haven</i>	187 Lawrence st.
Ethel M. Shepard	<i>Plantsville</i>	Plantsville
Lily W. Sheridan	<i>New Haven</i>	519 Orange st.
Edith M. Sivyver	<i>New Haven</i>	515 George st.
Julia Smith	<i>New Haven</i>	59 E. Pearl st.
Kate F. Smith	<i>New Haven</i>	1150 Chapel st.
Margaret E. Smith	<i>New Haven</i>	323 Cedar st.
Ada T. Somers	<i>New Haven</i>	218 Goffe st.
Abbie L. Springfield	<i>New Haven</i>	71 Dickerman st.
Harriet M. Strong	<i>New Haven</i>	175 Oak pl.
Eliza B. Thompson	<i>New Haven</i>	313 Norton st.
Lottie J. Thompson	<i>New Haven</i>	28 Kensington st.
Ruby V. Thorpe	<i>North Haven</i>	North Haven
Ethel Tillotson	<i>New Haven</i>	294 Lawrence st.
Helen E. Tonkin	<i>Ansonia</i>	Ansonia
Caroline Townsend	<i>New Haven</i>	Dixwell Av. School
Henrietta M. Tozier	<i>New Haven</i>	65 York sq.
Kate M. Tuttle	<i>New Haven</i>	110 Front st.
Mabelle Ufford	<i>New Haven</i>	504 Winchester av.
Rose A. Walsh	<i>Bridgeport</i>	Bridgeport
Addie Ward	<i>New Haven</i>	204 Winthrop av.
Elizabeth W. Ward	<i>New Haven</i>	26 Beers st.
Ella P. Warner	<i>Highwood</i>	Highwood
M. Rachel Webster	<i>New Haven</i>	38 Howe st.
Agnes M. Welch	<i>New Haven</i>	672 Whitney av.
E. Marian Welch	<i>New Haven</i>	1452 Chapel st.
Adah M. Wolcott	<i>New Haven</i>	40 Vernon st.
M. Elmina Woodruff	<i>New Haven</i>	1 Howe st.
Emma R. Wright	<i>New Haven</i>	136 Sherman av.
Sarah E. Wright	<i>New Haven</i>	31 Aner st.
Lela M. Wurm	<i>Bridgeport</i>	Bridgeport
Cornelia M. Young	<i>New Haven</i>	307 Orchard st.

COURSES FOR TEACHERS, 167.

# DEPARTMENT OF THEOLOGY

## (YALE DIVINITY SCHOOL)

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### RESIDENT LICENTIATES,

#### ATTENDING LECTURES

George William Carter, B.A. } Wesleyan University 1892, S.D. Drew Theol. Seminary 1893 }	<i>West Haven, Conn.</i>	West Haven
Joseph Hayes Chandler, B.A. } Yale University 1877 }	<i>New Haven, Conn.</i>	33 Quinipiac st.
Benjamin M. Fernanders	<i>New Haven, Conn.</i>	45 Foote st.
Chauncey Jeddie Hawkins, B.A. } University of the Pacific 1897 }	<i>New Haven, Conn.</i>	101 Humphrey st.
William Henry Hayes, B.A. } Wesleyan University 1895 }	<i>North Guilford, Conn.</i>	43 E. D.
Francis Henry Hill	<i>New Haven, Conn.</i>	24 Foote st.
Frederick Augustus Holden, B.A. } Amherst College 1898 }	<i>Burlington, Conn.</i>	Burlington
Alexander Fitzgerald Irvine,	<i>New Haven, Conn.</i>	247 Lexington av.
Tozaburo Kudo, PH.B. } De Pauw University 1896 }	<i>Tokyo, Japan</i>	99 W. D.
William Gilbert Lathrop, B.A. } Brown University 1889, S.D. Yale University 1892 }	<i>North Haven, Conn.</i>	North Haven
William Roberts	<i>New Haven, Conn.</i>	238 Townsend av.
Willard Oliver Town, B.S. } Coll. Inst. of Wauseon 1893 }	<i>New Haven, Conn.</i>	123 Columbus av.
Benjamin Mead Wright, B.D. } Yale University 1897 }	<i>Orange, Conn.</i>	Orange
Minosuke Yamaguchi, B.A. } Lombard University 1897 }	<i>Tokyo, Japan</i>	99 W. D.

RESIDENT LICENTIATES, 14

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### GRADUATE CLASS

#### PURSUING FOURTH YEAR STUDIES

Franklin Whitehead Barker, B.A. } University of New Brunswick 1892, Bangor Theological Seminary 1895 }	<i>Harvey Station, N. B.</i>	46 E. D.
John Joseph Blythe, M.A. } Ohio Western University 1899, S.D. Washington Theol. Coll. 1899, S.T.L. West. Theological Coll. 1899 }	<i>Montreal, Can.</i>	75 W. D.

John Pitt Deane, B.A. { Cornell University 1890, B.D. Yale University 1898 }	New Haven, Conn.	95 W. D.
William Hazen, B.A. { University of Vermont 1893, B.D. Hartford Theol. Seminary 1897 }	Sherburne, Vt.	103 W. D.
Eugene William Lyman, B.A. { Amherst College 1894, B.D. Yale University 1898 }	Cummington, Mass. Halle, Germany	
Hugh McCallum, B.A. { Bowdoin College 1897, Bangor Theol. Seminary 1895 }	Waldoboro, Me.	46 E. D.
Charles Stedman McFarland, B.D. { Yale University 1897, Ph.D. Yale University 1899 }	Melrose, Mass.	23 E. D.
Harry Frank Rall, M.A. { University of Iowa 1894, B.D. Yale University 1897 }	Des Moines, Iowa	42 E. D.
Peter Roberts, B.A. { Brecon Memorial College, B.D. Yale University 1886 }	Scranton, Pa.	48 E. D.

## GRADUATE CLASS, 9

## SENIOR CLASS

George Ferdinand Abel, B.A. { Gettysburg College 1897 }	Philadelphia, Pa.	
Parnag Adam Adamian, B.A. { Central Turkey College 1897 }	Aintab, Turkey	102 W. D.
John Henry Alexander, B.A. { Princeton University 1894, B.D. Auburn Theol. Seminary 1897 }	Sunside, N. Y.	108 W. D.
Otto Anderson, B.A. { University of Wisconsin 1894 }	Madison, Wis.	75 W. D.
Samuel Duff Anderson { Newton Theological Seminary 1894 }	East Greenwich, R. I.	8 E. D.
Oliver Perry Avery, { Colorado College }	Preston City, Conn.	73 W. D.
Arthur Ward Bailey, B.A. { Williams College 1896 }	Wollaston, Mass.	94 W. D.
William DeVerne Beach, B.A. { Yale University 1897 }	New Haven, Conn.	96 W. D.
George Manley Butler, B.A. { Amherst College 1897 }	Northampton, Mass.	98 W. D.
Alexander Cameron, B.A. { Carleton College 1896, M.A. Carleton College 1898 }	Duluth, Minn.	6 E. D.
Loring Bertie Chase, B.A. { Amherst College 1897 }	Marlboro, N. H.	14 E. D.

Clement George Clarke, B.A. }	<i>New Haven, Conn.</i>	29 E. D.
Yale University 1895 }		
George Barton Cutten, B.A. }	<i>New Haven, Conn.</i>	80 First st.
Yale University 1897 }		
Edwin Benjamin Ferguson	<i>Buffalo, N. Y.</i>	97 W. D.
Charles Frederick Fisher, B.A. }	<i>Arberville, Neb.</i>	39 E. D.
Doane College 1897 }		
Howard Dakin French	<i>West Newton, Mass.</i>	33 E. D.
Bangor Theological Seminary }		
William Milton Hess, B.A. }	<i>New Haven, Conn.</i>	33 York st.
Yale University 1896 }		
William Harvard Holloway	<i>Talladega, Ala.</i>	43 E. D.
Talladega Theological Seminary }		
George Jones, B.A. }	<i>Syracuse, N. Y.</i>	17 E. D.
Amherst College 1896 }		
Joseph Bardwell Lyman, PH.B. }	<i>Stapleton, S. I., N. Y.</i>	79 W. D.
New York University 1894 }		
William Grant McCann, B.A. }	<i>Philadelphia, Pa.</i>	110 Gilbert av.
Yale University 1897 }		
Donald McIver, B.A. }	<i>Sanford, N. C.</i>	78 W. D.
Univ. of North Carolina 1897 }		
Charles Greenway Marshall, B.A. }	<i>McGregor, Iowa</i>	82 W. D.
Oberlin College 1897 }		
George Redington Montgomery, B.A. }	<i>New Haven, Conn.</i>	84 W. D.
Yale Univ. 1892, LL.B. Yale Univ. 1894 }		
Edward Whiteside Moore	<i>Champlain, N. Y.</i>	35 E. D.
Bangor Theological Seminary }		
James Malcolm Nicol, B.A. }	<i>London, Ont., Canada</i>	93 W. D.
University of Toronto 1897 }		
Naboth Osborne, B.A. }	<i>Jermyn, Pa.</i>	90 W. D.
Syracuse University 1897 }		
Richard Peters	<i>New Bedford, Mass.</i>	112 W. D.
Bangor Theological Seminary }		
Benjamin Franklin Root, B.A. }	<i>Bridgeport, Conn.</i>	Bridgeport
College of Emporia 1897 }		
Jay Birney Stanton, B.A. }	<i>Chicago, Ill.</i>	215 Edgewood av.
Amity College 1897 }		
William Weber,	<i>New Haven, Conn.</i>	460 Congress av.
Universities of Bonn and Strassburg }		
John Edward Whitley, B.A. }	<i>Springfield, Mo.</i>	2 E. D.
Drury College 1897 }		
Arthur Vyne Woodworth, B.A. }	<i>Berlin, Conn.</i>	325 Sherman av.
Amherst College 1893 }		



## MIDDLE CLASS

William Talbot Allison, B.A. } Toronto University 1899	Toronto, Canada	34 E. D.
Enoch Frye Bell, B.A. } Yale University 1898	N. Leominster, Mass.	109 W. D.
Walter Conkling Blakeslee, B.A. } Beloit College 1896	Milwaukee, Wisc.	18 E. D.
Ferdinand Quincy Blanchard, B.A. } Amherst College 1898	West Newton, Mass.	55 W. D.
Clément Amédée Bourret, B.A. } French American College 1898	Spencer, Mass.	83 W. D.
Charles Spurgeon Calhoun, B.A. } Bates College 1899	Lewiston, Me.	41 E. D.
Horace Edwin Clute, B.L. } Gettysburg College 1897	Harrisburg, Pa.	40 E. D.
William Evan Davies, B.A. } Marietta College 1898	Scranton, Pa.	88 W. D.
James Francis Gregory, B.A. } Amherst College 1898	Bordentown, N. J.	32 E. D.
Ernest Rutherford Graves } Bangor, Theological Seminary	Hudson, Mass.	80 W. D.
Edgar Laing Heermance, B.A. } Yale University 1897, M.A. Yale University 1899	New Haven, Conn.	100 W. D.
Alban Bernard Hyde, B.A. } Bates College 1899	Banbury, England	41 E. D.
Charles Wilfred Jackson, B.A. } Acadia University 1896	Montowese, Conn.	Montowese
Anton Rasmus Larson, B.A. } Yankton College 1898	Vilas, S. D.	26 E. D.
Clarence Melville Lippincott, B.A. } Waynesburg College 1898	Waynesburg, Pa.	38 E. D.
Dorance Bertel Lothrop, B.A. } Yale University 1895	Pittsfield, Me.	31 E. D.
Masukichi Matsumoto, M.A. } Asbury College 1898	Hiroshima, Japan	89 W. D.
Charles Wolcott Merriam, B.S. } Amherst College 1898	Springfield, Mass.	20 E. D.
George Leslie Omwake, B.A. } Ursinus College 1898	Greencastle, Pa.	25 E. D.
Philip Henry Ralph, B.A. } Beloit College 1898	Beloit, Wisc.	4 Sylvan av.
William James Charles Ralph } Chicago Theol. Seminary 1894	Mazomanie, Wisc.	4 Sylvan av.
Frank Milton Sheldon, B.S. } Tabor College 1898	Tabor, Iowa	24 E. D.
Carl Stackman, B.A. } Amherst College 1898	Amherst, Mass.	22 E. D.

Jay Thomas Stocking, B.A. } Amherst College 1895	Canton, N. Y.	27 E. D.
Charles Lysander Storrs, Jr., B.A. } Amherst College 1896	Boston, Mass.	98 W. D.
Walter McMullen Swann, B.A. } Union College 1898	Albany, N. Y.	44 E. D.
John Armstrong Wade, B.A. } Yale University 1899	Brooklyn, N. Y.	87 W. D.
Joseph Weiss, B.A. } Beloit College 1898	DePere, Wisc.	31 E. D.

MIDDLE CLASS, 28

## JUNIOR CLASS

Gabriel Alexander, B.A. } Oroomiah College 1897	Kurdistan, Turkey	118 W. D.
Warren Daniels Bigelow, B.A. } Harvard University 1898, M.A. Harvard University 1899	Roxbury, Mass.	111 W. D.
John Bicknell, B.A. } Yale University 1899	West Cummington, Mass.	51 E. D.
Shelton Bissell, B.A. } Yale University 1897	Montclair, N. J.	37 E. D.
Frank John Bruno, B.A. } Williams College 1899	Newark, N. J.	105 W. D.
Abram Lanman Chase, B.A. } Allegheny College 1886	New York City	53 E. D.
Johannes Jensinius Horvei, B.A. } Augburg Seminary 1899	Astoria, Ore.	53 E. D.
James Hyde	Stamford, Conn.	26 E. D.
Toraji Makino, B.A. } Doshisha College 1892	Kochi Tosa, Japan	120 W. D.
Marco Mazzucca, B.A. } University of Naples 1896	Catanzaro, Italy	158 Wooster st.
Frederick Wingate Raymond, B.A. } Amherst College 1899	East Weymouth, Mass.	30 E. D.
John Joseph Samuel, B.A. } Carmarthen College 1899	New Castle Emlyn, S. Wales	114 W. D.
Josiah Sibley, B.A. } Pomona College 1899	Los Angeles, Cal.	45 E. D.
William Ernest Andrew Slaght, B.A. } Toronto University 1898	Toronto, Can.	34 E. D.

Ludwig Thomsen, B.A. }	<i>Cleveland, O.</i>	28 E. D.
Oberlin College 1899 }		
Ralph Herbert White, B.A. }	<i>Underhill, Vt.</i>	113 W. D.
Wesleyan University 1894 }		
JUNIOR CLASS, 16		

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### SUMMARY

RESIDENT LICENTIATES,	14
GRADUATE CLASS,	9
SENIOR CLASS,	33
MIDDLE CLASS,	28
JUNIOR CLASS,	16
TOTAL,	100

# DEPARTMENT OF MEDICINE

## (YALE MEDICAL SCHOOL)

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### GRADUATE STUDENT

Edward Dorland Smith, M.D. }	<i>New Haven, Conn.</i>	159 Elm st.
Yale University 1899 }		

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### SENIOR CLASS

Edward Fiske Ashley, PH.B. }	<i>Waterbury, Conn.</i>	91 Lake pl.
Yale University 1897 }		
William Edward Balmer, B.A. }	<i>Whitinsville, Mass.</i>	150 St. John st.
Yale University 1897 }		
John Harry Diederichs Budau	<i>Bridgeport, Conn.</i>	Bridgeport
George Lamb Buist, Jr., B.A. }	<i>Charleston, S. C.</i>	123 York st.
Yale University 1896 }		
William Timothy Cannon	<i>New Haven, Conn.</i>	57 Liberty st.
Russell Shepard Church	<i>Bristol, R. I.</i>	1142 Chapel st.
Frederick Coonley, B.A. }	<i>Port Richmond, N. Y.</i>	333 York st.
Yale University 1896 }		
Cyrus West Field	<i>New York City</i>	333 York st.
William Joseph Flannery	<i>New Britain, Conn.</i>	138 Columbus av.
Nathan Leroy Griffin	<i>New London, N. H.</i>	383 George st.
Edgar Francis Hamlin	<i>Plantsville, Conn.</i>	391 Crown st.
Carle William Henze	<i>New Haven, Conn.</i>	131 West st.
Thomas Vincent Hynes	<i>S. Meriden, Conn.</i>	S. Meriden
John Wagner Ives	<i>West Goshen, Conn.</i>	88 Park st.
William John Maroney	<i>Springfield, Mass.</i>	333 York st.
Herman Canfield Pitts	<i>New York City</i>	123 York st.
Charles Oscar Purinton, PH.B. }	<i>New Hartford, Conn.</i>	1142 Chapel st.
Yale University 1897 }		
James Francis Quinn	<i>New Haven, Conn.</i>	14 Anderson st.
Charles William Snyder, B.A. }	<i>Hartford, Conn.</i>	47 E. D.
Fisk University 1896 }		
Frank Willie Stevens	<i>New Haven, Conn.</i>	165 York st.
Lucius Harrison Stewart	<i>Rutland, Vt.</i>	88 Wall st.
Harold Appleton Tarbell	<i>Bridgeport, Conn.</i>	1142 Chapel st.
Louis Joseph Thibault	<i>Waterbury, Conn.</i>	528 Chapel st.
Robert Graham Tracy	<i>New Haven, Conn.</i>	216 Cedar st.
Wesley Grove Vincent, B.A. }	<i>Cottage City, Mass.</i>	333 York st.
Yale University 1896 }		

Noah Samuel Wadhams, PH.B. }	<i>New Haven, Conn.</i>	204 Crown st.
Yale University 1897		
John George Williams	<i>Branford, Conn.</i>	165 York st.
William Houston Wright	<i>Bridgeport, O.</i>	47 E. D.
SENIOR CLASS, 28		

## JUNIOR CLASS

Irving Edwin Brainard	<i>Bristol, Conn.</i>	1151 Chapel st.
Noah Arthur Burr, B.A. }	<i>Winchester Center, Conn.</i>	105 Park st.
Yale University 1898		
Patrick Vincent Costello	<i>New Haven, Conn.</i>	214 Franklin st.
Samuel Gurney	<i>Bridgeport, Conn.</i>	383 George st.
Gould Shelton Higgins	<i>Hanover, Conn.</i>	1157 Chapel st.
Edward Charles Krause	<i>New Haven, Conn.</i>	26 Ward st.
Leone Franklin LaPierre	<i>Norwich, Conn.</i>	404 Crown st.
Walter Sidders Lay	<i>Westbrook, Conn.</i>	560 Winthrop av.
Howard DeForest Lockwood	<i>Bridgeport, Conn.</i>	383 George st.
Joseph Abraham Loeb	<i>New Haven, Conn.</i>	200 Franklin st.
Nelson Amos Ludington, Jr.	<i>New Haven, Conn.</i>	1010 Chapel st.
Arthur Samuel McQueen	<i>New Haven, Conn.</i>	11½ Park st.
Thomas Francis Maher	<i>New Haven, Conn.</i>	133 Nash st.
Frederick Fletcher Malony	<i>Dundee, N. Y.</i>	250 York st.
George August May	<i>Philadelphia, Pa.</i>	Gymnasium
James Percival Morrill	<i>Springfield, Mass.</i>	333 York st.
Cyrus Edmond Pendleton	<i>Hebron, Conn.</i>	388 Crown st.
Corydon Mott Ryno, B.S. }	<i>Benton Harbor, Mich.</i>	333 York st.
Rutgers College 1898		
William Senger, B.A. }	<i>Port Jervis, N. Y.</i>	333 York st.
Williams College 1895		
Paul Russell Stetson	<i>New Haven, Conn.</i>	38 Jewell st.
George Streit	<i>New Haven, Conn.</i>	S. Quinnipiac st.
JUNIOR CLASS, 21		

## SECOND YEAR

Henry Ely Adams	<i>Bloomfield, Conn.</i>	1079 Chapel st.
James John Baron, B.A. }	<i>Sivas, Turkey</i>	92 Webster st.
Anatolia College 1895,		
B.D. Yale University 1898 }		
David Bercinsky	<i>New Haven, Conn.</i>	28 Dow st.
Edward Sumner Brackett, B.A. }	<i>Hartford, Conn.</i>	333 York st.
Yale University 1897		

William Tillinghast Bull, PH.B. } Yale University 1888	Newport, R. I.	120 College st.
John Peter Colgan	New Haven, Conn.	118 Ashmun st.
William Joseph Cooney	New Haven, Conn.	107 Greene st.
James Joseph Dunleavy	New Haven, Conn.	14 St. John st.
Gaston Holcombe Edwards, M.S. } Yale University 1899	Granby, Conn.	57 Prospect st.
Alfred Lauder Ellis, B.S. } Trinity College 1898	Hartford, Conn.	333 York st.
Francis Arthur Emmett	New Britain, Conn.	152 Grove st.
Dennis Lawrence Glynn	Winsted, Conn.	1173 Chapel st.
James Henry Haberlin	Pawtucket, R. I.	120 York st.
Frederick William Hamilton	Ballymoney, Ireland	333 York st.
Herman Philip Hessler	New Haven, Conn.	898 State st.
William McKimmie Higgins, B.A. } Yale University 1893	Thompsonville, Conn.	233 York st.
John George Hugo	New Haven, Conn.	1245 State st.
Robert Barnabas Keane	Bridgeport, Conn.	Bridgeport
Victor Alexander Kowalewski, B.A. } Yale University 1899	New Haven, Conn.	86 Second st.
John Edward Lane, B.A. } Yale University 1894	Hadley, Mass.	122 Howe st.
Elisha Sears Lewis, PH.B. } Yale University 1899	Springfield, Mass.	219 York st.
Arthur Field Lindley	Montclair, N. J.	1161 Chapel st.
John David Moore	New Haven, Conn.	223 Grand av.
Oran Alexander Moser	Waterbury, Conn.	261 Howard av.
Walter Leroy Murray	New Haven, Conn.	34 Cedar st.
Thomas Augustine O'Brien, PH.B. } Yale University 1899	New Haven, Conn.	230 Oak st.
Frank Edward Phillips	New Haven, Conn.	10 Sylvan av.
James Francis Rooney	Plainville, Conn.	19 Sylvan av.
John Francis Ryle	Stamford, Conn.	120 York st.
Ralph Hugo Schneeloch	New Haven, Conn.	294 Elm st.
Albert Hayes Sharpe	Branford, Conn.	Gymnasium
George Francis Sheedy, PH.B. } Yale University 1899	Bridgeport, Conn.	Bridgeport
Nelson Dwight Skinner	Rockville, Conn.	152 Grove st.
Andrew Clay Swenson	Waterbury, Conn.	383 George st.
Lester Ferris Turney, B.A. } Yale University 1899	Derby, Conn.	Derby
Ellsworth Granville Warner	Hamden, Conn.	Hamden
Alfred Burdette Wood	Hartford, Conn.	1151 Chapel st.
Francis William Wrinn	New Haven, Conn.	76 Washington av.

## FIRST YEAR

Frank Calvin Atchison	<i>Norwich, Conn.</i>	342 George st.
George Washington Barrett	<i>Buffalo, N. Y.</i>	71 W. D.
William Hill Bean, PH.B. } Yale University 1888	<i>New Haven, Conn.</i>	40 Pleasant st.
Frederick George Beck	<i>New Haven, Conn.</i>	25 Warren pl.
Edward Aloysius Birmingham, B.A. } Manhattan College 1899	<i>Bridgeport, Conn.</i>	Bridgeport
Zellie Adam Bonoff	<i>New Haven, Conn.</i>	26 Palmer st.
William Lewis Bradley, B.A. } Yale University 1891	<i>New Haven, Conn.</i>	139 Chestnut st.
Frederick Forrest Budd	<i>Meriden, Conn.</i>	Meriden
George Nellis Crouse	<i>Syracuse, N. Y.</i>	17 Hillhouse av.
Charles Lester Curtiss	<i>New Haven, Conn.</i>	374 Whalley av.
Bartle Francis Donohoe	<i>Hinsdale, Mass.</i>	27 Lincoln st.
Alfred Duke	<i>New Haven, Conn.</i>	214 Dixwell av.
Daniel Edward Egan	<i>New Haven, Conn.</i>	20 Pearl st.
Bernard Bartholomew Fahy	<i>New Haven, Conn.</i>	343 Cedar st.
Charles Everett Farr, B.A. } Yale University 1898	<i>Athol, Mass.</i>	333 York st.
Cleveland Ferris	<i>New Haven, Conn.</i>	404 Crown st.
Walter Robert Fields	<i>New Haven, Conn.</i>	112 Asylum st.
Frederick Tracy Fitch	<i>Noank, Conn.</i>	388 Crown st.
David Aloysius Flynn	<i>Bridgeport, Conn.</i>	Bridgeport
Albert Henry Garvin	<i>Wethersfield, Conn.</i>	138 York st.
Herbert Charles Gibner	<i>Bridgeport, Conn.</i>	Bridgeport
Harrison Gray	<i>New Haven, Conn.</i>	315 York st.
George Scott Hunter	<i>Hartford, Conn.</i>	122 Wall st.
Eli Butler Ives	<i>Branford, Conn.</i>	256 State st.
Thomas Robert Johnson	<i>Worcester, Mass.</i>	1142 Chapel st.
William Edward Kelly, B.S. } Rutgers College 1898	<i>New Brunswick, N. J.</i>	10 Ashmun st.
Robert William Kerr	<i>Newport, R. I.</i>	333 York st.
Charles Isaiah Lambert	<i>New Haven, Conn.</i>	43 Whalley av.
Fred Pollock Lane	<i>Charleston, S. C.</i>	1150 Chapel st.
Joseph Pierre Lavalaye	<i>New Haven, Conn.</i>	370 Congress av.
Treby William Lyon	<i>New London, Conn.</i>	254 Crown st.
William Clement McKellar	<i>Bridgeport, Conn.</i>	Bridgeport
Joseph George Mahoney	<i>Shelton, Conn.</i>	19 Sylvan av.
Louis Adolph Notkins	<i>New Haven, Conn.</i>	252 Cedar st.
John James Pagter	<i>New Haven, Conn.</i>	133 Dwight st.
Schuyler Paterson	<i>Burdett, N. Y.</i>	341 Crown st.
Wilbert Warren Perry	<i>Hartford, Conn.</i>	63 Prospect st.

Nathan Tolles Pratt, M.A. }	<i>Bridgeport, Conn.</i>	Bridgeport
Trinity College 1897 }		
Walter Latham Rathbun	<i>Noank, Conn.</i>	388 Crown st.
Frank Joseph Ronayne	<i>Bridgeport, Conn.</i>	Bridgeport
Robert Lee Rowley	<i>Bloomfield, Conn.</i>	1079 Chapel st.
Stuart Ernest Skiff	<i>Dundee, N. Y.</i>	250 York st.
Seymour Leopold Spier	<i>New Haven, Conn.</i>	140 Lawrence st.
Frank Billings Standish	<i>Meriden, Conn.</i>	Meriden
Howard Grandson Stevens	<i>Rowayton, Conn.</i>	276 Orange st.
Maurice Lord Wheeler	<i>Dundee, N. Y.</i>	250 York st.
FIRST YEAR, 46		

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SPECIAL STUDENT

Abraham George Lassman	<i>New York City</i>	342 George st.
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SUMMARY

GRADUATE STUDENT,	.	.	.	.	.	1
SENIOR CLASS, .	.	.	.	.	.	28
JUNIOR CLASS, .	.	.	.	.	.	21
SECOND YEAR, .	.	.	.	.	.	38
FIRST YEAR, .	.	.	.	.	.	46
SPECIAL STUDENT,	.	.	.	.	.	1
						<hr/>
						135



# DEPARTMENT OF LAW

## (YALE LAW SCHOOL)

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### GRADUATE STUDENTS

Ciarence Alfred Alexander, LL.B. } Yale University 1899	<i>Dayton, O.</i>	333 York st.
Charles Ainsworth MacHenry, LL.B. } Cornell University 1898	<i>Cortland, N. Y.</i>	373 Crown st.
James Emerson O'Connor, LL.B. } Yale University 1894	<i>New Haven, Conn.</i>	419 Temple st.
Jerome Harry Willms, LL.B. } University of Maryland 1899	<i>Baltimore, Md.</i>	1151 Chapel st.

GRADUATE STUDENTS, 4

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### SENIOR CLASS

Harry Browning Agard	<i>Tolland, Conn.</i>	312 Elm st.
Milton Bacharach	<i>Hartford, Conn.</i>	151 Bradley st.
Thomas Francis Barry	<i>Derby, Conn.</i>	Derby
Walter LeGrand Bevins	<i>Meriden, Conn.</i>	Meriden
Julian Byron Bourne, B.A. } Marshall College 1897, Att'y at Law	<i>Lexington, Ky.</i>	297 Crown st.
Andrew Storrs Campbell, B.A. } Yale University 1898	<i>Enfield, Conn.</i>	378 Crown st.
Orrin Melville Clarke, B.A. } Yale University 1898	<i>Whitewood, S. D.</i>	1044 Chapel st.
William Francis Conway	<i>Newark, N. J.</i>	227 Crown st.
Thomas Christopher Coughlin	<i>Bridgeport, Conn.</i>	Bridgeport
William Vincent Devitt	<i>Bridgeport, Conn.</i>	Bridgeport
John Warren Edgerton, B.A. } Trinity College 1894. M.A. Yale University 1896	<i>Middletown, Conn.</i>	158 Whitney av.
George Joseph Finnegan	<i>Brooklyn, N. Y.</i>	1151 Chapel st.
Leo James Flynn, LL.B. } University of Iowa 1899	<i>Dubuque, Iowa</i>	297 Crown st.
Robert Hubbard Gould, B.A. } Yale University 1898	<i>Bridgeport, Conn.</i>	Bridgeport
Albert William Haigh	<i>Brooklyn, N. Y.</i>	77 W. D.
Thomas Francis Hickey	<i>Bridgeport, Conn.</i>	144 Park st.

Lorenzo William Housel, B.A. } Yale University 1897	Nichols, N. Y.	25 Home pl.
Leslie Elmer Hubbard	Meriden, Conn.	89 Bristol st.
Franklyn Laws Hutton	New York City	1151 Chapel st.
Ernest Lockwood Isbell	New Haven, Conn.	37 Lynwood st.
Warren Bowditch Johnson, B.A. } Yale University 1898	Enfield, Conn.	64 High st.
David Kempner	Hartford, Conn.	151 Bradley st.
Reyu Kimura	Tokio, Japan	409 Orange st.
Francis Joseph Kinney	Branford, Conn.	Branford
Simon Herman Kugel	New Haven, Conn.	92 Broad st.
Wallace Rutherford Lane	Hadley, Mass.	122 Howe st.
Franklin Atkins Lord, B.A. } Yale University 1898	New York City	159 Elm st.
John Lindsey Lyman	Southampton, Mass.	130 Howe st.
Samuel Howard McCain	Brockwayville, Pa.	314 Crown st.
William John McConnell	Franklin, Pa.	159 Elm st.
Walter Dunham Makepeace, B.A. } Yale University 1897, M.A. Yale University 1899	Springfield, Mass.	1010 Chapel st.
William John Malone	Forestville, Conn.	36 Hallock st.
James Archibald Marr, B.A. } Bates College 1897	Westerly, R. I.	73 Lake pl.
George Alphonsus Mullen, B.A. } Yale University 1898	Trumbull, Conn.	1151 Chapel st.
Herbert David Palmer, B.S. Southern Iowa Normal 1895, Att'y at Law	Des Moines, Iowa	378 Crown st.
John Kerr Payne, B.A. } Marietta College 1898	Knoxville, Tenn.	1044 Chapel st.
George Hazard Pearce	Hartford, Conn.	280½ Elm st.
Alfred Silliman Perry	Fairfield, Conn.	Fairfield
William Roger Pitkin	Boston, Mass.	82 Wall st.
Archibald Weaver Powell	Lâtrobe, Pa.	311 York st.
George William Rourke	Meriden, Conn.	Meriden
Claude William Shattuck	Brooklyn, N. Y.	1151 Chapel st.
Henry Edward Shannon	Bridgeport, Conn.	Bridgeport
Nathan Ayer Smyth, M.A. } Yale University 1899	New Haven, Conn.	328 Temple st.
John Avery Spaford	Lebanon, Conn.	Bridgeport
Charles Conrad Spreyer	New Haven, Conn.	38 Elliott st.
Welles Kirk Stanley, B.A. } Ohio Wesleyan University 1895	Delaware, Ohio	1151 Chapel st.
Benjamin Davis Troutman, } Attorney at Law	Pottsville, Pa.	74 Lake pl.
Clayton Humiston Tyler	Hartford, Conn.	64 Center st.

Frederick Lee Vandever	<i>Brooklyn, N. Y.</i>	59 Prospect st.
Ernest Hubbard Wells, B.A. } Yale University 1893	<i>Louisville, Ky.</i>	72 Mansfield st.
George Zahm	<i>Syracuse, N. Y.</i>	276 Elm st.

SENIOR CLASS, 52

## MIDDLE CLASS

Alfred Bailey Aubrey	<i>Meriden, Conn.</i>	Meriden
William Lockwood Barnett, B.A. } Yale University 1898	<i>New Haven, Conn.</i>	27 College st.
William Gayle Beard	<i>Kiethsburg, Ill.</i>	135 Howe st.
Martin Toscan Bennett, B.A. } Yale University 1898	<i>Hartford, Conn.</i>	158 Whitney av.
Carl Frederick Bollmann	<i>New Haven, Conn.</i>	40 Sylvan av.
James Henry Buchanan	<i>Waterbury, Conn.</i>	103 Park st.
Charles Luther Burnham, B.A. } Trinity College 1898	<i>Hartford, Conn.</i>	333 York st.
Robert Emmett Crowe	<i>Chicago, Ill.</i>	333 York st.
Albert Richard Cunha	<i>Honolulu, H. I.</i>	1151 Chapel st.
Daniel Joseph Danaher	<i>Meriden, Conn.</i>	Meriden
Robert Griswold DeForest	<i>Bridgeport, Conn.</i>	Bridgeport
Charles Albert Ericson	<i>New Britain, Conn.</i>	New Britain
Ferris Faulkner	<i>New York City</i>	64 High st.
Arthur Fessenden	<i>New Haven, Conn.</i>	18 Cassius st.
Theodore Henry Ficke	<i>Lake Zurich, Ill.</i>	37 Lynwood st.
Herbert Wescott Fisher, B.A. } Yale University 1898	<i>New Haven, Conn.</i>	166 York st.
Charles James Fox	<i>New Haven, Conn.</i>	58 Sylvan av.
Charles Anthony Fulton-Phizenmayer	<i>New York City</i>	1151 Chapel st.
Albion Lester Gile	<i>Portland, Oregon</i>	1151 Chapel st.
David Gilbert James Hathaway	<i>Grand Rapids, Mich.</i>	333 York st.
Teiziro Hayashi	<i>Nagasaki, Japan</i>	363 Crown st.
John Hillard	<i>Farmington, Conn.</i>	90 Whalley av.
Charles Potter Hine, B.A. } Yale University 1898	<i>Poland, O.</i>	90 Whalley av.
Xenophon Pearce Huddy	<i>Providence, R. I.</i>	342 George st.
Joseph Samuel Hughes	<i>Richmond, Mo.</i>	28 Wall st.
William Henry Jackson	<i>Waterbury, Conn.</i>	554 P.
Harry Alphonso Jones	<i>Canton, O.</i>	137 Dwight st.
Robert Stanley Kearney	<i>New Haven, Conn.</i>	49 Court st.

Cornelius Porter Kitchel, B.A. } Yale University 1897	East Liverpool, O.	27 High st.
Philip Henry Kunzig	Philadelphia, Pa.	554 P.
Charles Thomas McClure	New Haven, Conn.	1057 Whalley av.
Lewis MacDougall	Hornellsville, N. Y.	1151 Chapel st.
John William Mariani, B.A. } Univ. of Naples 1892	Naples, Italy	114 Olive st.
George Alson Marvin	Norfolk, Conn.	63 w. D.
Albert Jones Merritt	Bridgeport, Conn.	Bridgeport
Harry Stambaugh Moul	York, Pa.	1044 Chapel st.
Robert Louis Munger, B.A. } Yale University 1897	Ansonia, Conn.	Ansonia
Benjamin Frank Nead	Harrisburg, Pa.	137 Dwight st.
Joseph Houck Neece	Williamsport, Pa.	137 Dwight st.
William Thomas Rawlins	Honolulu, H. I.	64 High st.
Frederick Augustus Robertson	New Haven, Conn.	68 Mechanic st.
John Dunbar Rusher, B.A. } Yale University 1898	Brooklyn, N. Y.	64 High st.
Frank William Sheehan, B.A. } Yale University 1898	West Haven, Conn.	West Haven
Richard Prout Stapleton	Holyoke, Mass.	126 High st.
Harry Donaldson Thompson	New Haven, Conn.	102 Orange st.
Henry Hotchkiss Townshend, B.A. } Yale University 1897	New Haven, Conn.	234 Church st.
Thomas Josiah Wallace, Jr.	Bunceton, Mo.	1151 Chapel st.
Eben Patterson Watson	Buffalo, N. Y.	1151 Chapel st.
David John Wendel	Newark, N. J.	237 York st.
William Reid Wilson	Cleveland, O.	1151 Chapel st.

MIDDLE CLASS, 50

## JUNIOR CLASS

William Chilton Abercrombie, B.A. } University of Texas 1899	Huntsville, Texas	27 High st.
James Frank Adams, B.A. } Baylor University 1896 and Yale University 1898	Celesto, Texas	1 TR.
Charles Wilson Andrews, PH.B. } Yale University 1899	Litchfield, Conn.	86 Wall st.
Alfred Austell, B.S. } Pa. Military College 1895, PH.B. Yale University 1898	Atlanta, Ga.	119 Wall st.
Curtiss Stowe Bacon	Middletown, Conn.	Middletown
Frederic Stanley Bacon, B.A. } Trinity College 1899	Middletown, Conn.	Middletown

Harold Ridgeway Berry	<i>St. Louis, Mo.</i>	70 W. D.
Howard Futhey Brinton, B.A. } Yale University 1898	<i>Philadelphia, Pa.</i>	72 Howe st.
Charles L. Brooks	<i>New Haven, Conn.</i>	22 Ashmun st.
John Brinton Buckwalter	<i>West Chester, Pa.</i>	238 York st.
Edward Garfield Burke	<i>Deep River, Conn.</i>	333 York st.
Harry Crosby Camp	<i>Middlebury, Conn.</i>	192 York st.
Samuel Granger Camp	<i>Canaan, Conn.</i>	63 W. D.
Edward Thomas Canfield, B.A. } Yale University 1899	<i>Thomaston, Conn.</i>	1179 Chapel st.
Daniel Cronin	<i>New London, Conn.</i>	145 College st.
William Henry Darrow	<i>Unionville, Conn.</i>	428 Howard av.
William Enright Davenport, B.A. } Yale University 1899	<i>Bridgeport, Conn.</i>	Bridgeport
Osborne Atwater Day, PH.B. } Yale University 1899	<i>New Haven, Conn.</i>	310 York st.
Reuben Gilbert Dayton	<i>Bridgeport, Conn.</i>	Bridgeport
Hubert Loomis Dickerman	<i>Westville, Conn.</i>	Westville
George Clifford Earley	<i>Corinth, N. Y.</i>	263 Crown st.
Horace Greeley Eastburn, B.A. } Delaware College 1899	<i>Union, Del.</i>	27 High st.
Avery Theodore Elmer	<i>Middletown, Conn.</i>	82 Wall st.
Joseph Isaac Flint	<i>Fairfield, Conn.</i>	Fairfield
Lucius Pomeroy Fuller, B.A. } Yale University 1899	<i>Willimantic, Conn.</i>	598 P.
Thomas Gould Gaylord	<i>Louisville, Ky.</i>	238 York st.
Francis Angelo Gaynor	<i>Bridgeport, Conn.</i>	Bridgeport
Cassius Marcellus Clay Gentry, B.S. } Wabash College 1899	<i>Aroma, Ind.</i>	351 Crown st.
Ambrose Gherini, B.A. } Mt. Angel Coll. 1899	<i>San Francisco, Cal.</i>	114 Olive st.
John Leo Gilson, B.A. } Yale University 1899	<i>Bridgeport, Conn.</i>	Bridgeport
Charles Abbott Greene, B.A. } Yale University 1899	<i>Fairport, N. Y.</i>	571 P.
George Walter Hardy	<i>New Haven, Conn.</i>	59 Prospect st.
Arthur Garfield Harrison, B.A. } Lincoln University 1899	<i>Asheville, N. C.</i>	94 Crown st.
Henry Hart	<i>New Haven, Conn.</i>	113 Wolcott st.
Arthur Henderson	<i>Waterbury, Conn.</i>	1044 Chapel st.
Claude Augustus Herman	<i>Winsted, Conn.</i>	333 York st.
Arthur Johnson Hull, PH.B. } Brown University 1895	<i>Stepney, Conn.</i>	318 Orange st.
Garfield R. Jones	<i>Evanston, Ill.</i>	270 Crown st.
Edward Henry Kelly	<i>New Britain, Conn.</i>	New Britain

Charles Perry Kiefer	<i>Allegheny, Pa.</i>	22 College st.
Olaus Lamontagne, B.A. } Laval University 1899 }	<i>Meriden, Conn.</i>	Meriden
Charles Tressler Lark, B.A. } Pa. College 1898 and Yale University 1899 }	<i>Millersburg, Pa.</i>	527 P.
Joseph Jacob Linxweiler	<i>South Norwalk, Conn.</i>	S. Norwalk
Herman Wolf Londoner	<i>Denver, Col.</i>	131 High st.
Augustine Lonergan	<i>Rockville, Conn.</i>	150 College st.
Joseph Henry McAlerney	<i>Waterbury, Conn.</i>	251 Crown st.
William Bernard McCarthy	<i>Waterbury, Conn.</i>	297 George st.
John Francis McGrath	<i>Waterbury, Conn.</i>	297 George st.
Frank McNeirny	<i>New York City</i>	1076 Chapel st.
Boyd Freeze Maize	<i>Bloomsburg, Pa.</i>	73 Lake pl.
Warner Marshall	<i>Youngstown, O.</i>	64 Whalley av.
Sture Matson	<i>Minneapolis, Minn.</i>	119 Park st.
Norman Everts Mitchell	<i>New York City</i>	83 Elm st.
LeRoy Edgerton Murray	<i>New York City</i>	314 Crown st.
Samuel Jacob Nathanson	<i>New Haven, Conn.</i>	33 York st.
Hibberd Richard Norman, B.A. } Yale University 1899 }	<i>Shewville, Conn.</i>	29 High st.
Clarence Sumner Payne	<i>Rockville, Conn.</i>	217 York st.
Carrington Arah Phelps	<i>North Colebrook, Conn.</i>	119 Park st.
Edwin Starr Pickett, B.A. } Yale University 1899 }	<i>New Haven, Conn.</i>	140 Sylvan av.
Harold Cochrane Pinkerman	<i>Bridgeport, Conn.</i>	Bridgeport
James Angelo Pittelli	<i>New York City</i>	150 College st.
Omar William Platt, B.A. } Yale University 1899 }	<i>Milford, Conn.</i>	Milford
Edward Bernard Reiley	<i>Waterbury, Conn.</i>	297 George st.
Moses Walter Saxe	<i>New Haven, Conn.</i>	123 Lafayette st.
Maxwell Slade	<i>New Haven, Conn.</i>	383 George st.
John Thomas Smith, B.A. } Creighton College 1899 }	<i>New Haven, Conn.</i>	66 Putnam st.
Wendell Melville Strong, PH.D. } Yale University 1899 }	<i>New Haven, Conn.</i>	307 W.
Eugene Timothy Sullivan	<i>Naugatuck, Conn.</i>	536 Crown st.
James Mark Sullivan	<i>Waterbury, Conn.</i>	256 State st.
John Nils Swenson, B.A. } Bethany College 1899 }	<i>Lindsborg, Kan.</i>	59 Prospect st.
Henry Bruce Teller, B.A. } Yale University 1899 }	<i>Denver, Col.</i>	159 York st.
James Harrott Temple, Jr.	<i>Huntington, N. Y.</i>	1151 Chapel st.
Joseph Oliver Tobin, B.A. } Fordham College 1898 }	<i>San Francisco, Cal.</i>	1151 Chapel st.

Frank William Tully	<i>Flushing, N. Y.</i>	1151 Chapel st.
Thomas Francis Turley	<i>Jersey City, N. J.</i>	135 Howe st.
Adam Stewart Ulrich, B.S. }	<i>Annville, Pa.</i>	549 Howard av.
Lebanon Valley College 1897 }		
Harry Duncan Vandevener	<i>Brooklyn, N. Y.</i>	59 Prospect st.
Herbert Rinard vonDorster	<i>Catawissa, Pa.</i>	1044 Chapel st.
Horace Byron Warner, B.A. }	<i>Penfield, N. Y.</i>	402 Crown st.
Yale University 1899 }		
Eliot Watrous, B.A. }	<i>New Haven, Conn.</i>	107 Whitney av.
Yale University 1899 }		
Frederick August Wenck	<i>New York City</i>	Gymnasium
Roger Sherman White, B.A. }	<i>New Haven, Conn.</i>	196 Lawrence st.
Yale University 1899 }		
Frank Lester Wilder	<i>Bridgeport, Conn.</i>	Bridgeport
William Morgan Williams	<i>Wilkes Barré, Pa.</i>	472 Orange st.
Charles Ernst Williamson	<i>Darien, Conn.</i>	276 Orange st.
Heaton Hobart Wright	<i>West Haven, Conn.</i>	111 York st.
JUNIOR CLASS, 86		

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### SPECIAL STUDENTS

Burnett Goodwin, PH.B. }	<i>New Haven, Conn.</i>	119 Wall st.
Yale University 1899 }		
Edwin Francis Hallen	<i>Bridgeport, Conn.</i>	Bridgeport
Clifford Thorn, LL.B. }	<i>Washington, Iowa</i>	318 Orange st.
Boston University 1896, }		
M.A. State Univ. of Iowa 1899 }		

SPECIAL STUDENTS, 3

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### SUMMARY

GRADUATES	.	.	.	.	.	4
SENIOR CLASS	.	.	.	.	.	52
MIDDLE CLASS	.	.	.	.	.	50
JUNIOR CLASS	.	.	.	.	.	86
SPECIAL STUDENTS	.	.	.	.	.	3

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# SUMMARY OF STUDENTS

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## DEPARTMENT OF PHILOSOPHY AND THE ARTS:

GRADUATE SCHOOL	-	-	-	283
YALE COLLEGE	-	-	-	1224
SHEFFIELD SCIENTIFIC SCHOOL	-			571
ART SCHOOL	-	-	-	90
DEPARTMENT OF MUSIC	-	-		107
				<hr/> 2275
YALE DIVINITY SCHOOL	-	-	-	100
YALE MEDICAL SCHOOL	-	-	-	135
YALE LAW SCHOOL	-	-	-	195
				<hr/> 2705
Deduct for names inserted twice	-			188
				<hr/>
TOTAL	-	-	-	2517
				<hr/>
COURSES FOR TEACHERS	-	-	-	167



## DEGREES CONFERRED IN 1899

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### BACHELORS OF ARTS

Charles Westley Abbott	Charles Heald Burtis
John Brown Adams	John Stark Cameron, Jr.
Mason Tyler Adams	John Perlin Camp
Robert Campbell Adams	Edward Thomas Canfield
Sullivan Dorr Ames	Roger I. Capen
Robbins Battell Anderson	Guy Mortimer Carleton
Henry Cotheal Andrews	Henry Wick Chambers
Lorenzo Dibble Armstrong	George Shepard Chappell
Albert Headley Atha	Harold Clark Cheney
George Edwin Atwood	Charles Frederick Childs
George Philip Baker	John Kirkland Clark
DeForest Baldwin	Gerhard Hutchison Cocks
Merwin Bolton Bangs	John Watt Coddington, B.A. {
William Augustus Barstow	Western College (Iowa) 1898 }
Charles Griswold Bartlett, Jr.	Clarence Eugene Coffin
Luther Louis Beard	Ledyard Cogswell, Jr.
Elmer Ellsworth Beeck	Richard Mumford Coit
Charles Augustus Belin	Harry Clifford Colwell
Walter Frederic Bart Berger	Charles Horace Conner, Jr.
Coburn Dewees Berry, Jr.	William Boudinot Conner
John Bicknell	William Eglin Curtiss
Hugh Moffat Bissell	William Doran Cushman
Edward Baldwin Boise	William Dick Cutter
John Harvey Borden	Robert Darling
Henry Thornton Bowles	Charles Leroy Darlington
John Boyce	George Dautel
Samuel Gale Boyce	William Enright Davenport
David Milton Boyd	Frederick Martin Davies
Nicholas Frederic Brady	Arthur Wendell Davis
Charles Asahel Brayton, Jr.	Dwight Huntington Day
Frederick Hiester Brooke	Henry Ray Dennis
Samuel Pearson Brooke	Harry Manford Dewey
Alfred Jerome Brown	Clarence Phelps Dodge
Jamot Brown	Murray Witherbee Dodge
Oliver Sarson Bryant	John Victor Doniphan, Jr.
Robert Zimmerman Buchwalter	Charles Francis Doyle, Jr.
Scovill McLean Buckingham	Alfred Yartan Dubuque
Joseph Edmund Bulkley	Leonidas John Durbin
Norman Macleod Burrell	Milo Day Eames

John Crouse Entrekin, Jr.	William Edwin Hilliard
Berne Holbrook Evans	Edward Foote Hinkle
John Lewis Evans	William Churchill Hodge, Jr.
Willard Ernest Everett	Melvin Tilden Holbrook
Charles Maitland Fair	Nelson Clark Holland
Frederick Bliss Fallon	Henry Hutchinson Hollister, Jr.
Joseph Allen Farley	Stuart Holt
Thomas Wells Farnam	Donald Russell Hooker
Horace Jewell Fenton	Richard Hooker
George Willis Field	Thomas Attwood Horton
William Henry Field	Frederick Hotze
John Francis Flynn	George William Humphreys
Richard Earp Forrest	George Pelton Hutchins
Charles Root Fowler	Arthur Howard Hutchinson, B.A. }
Charles Royall Frazer	University of Washington 1897 }
Lucius Pomeroy Fuller	William Sterling Johnson, Jr.
Arthur Sullivan Gale	Arthur Edgar Jones, Jr.
Marvin Hayes Gates	Ellis Oliver Jones, Jr.
Stewart Gilman	Clay Eugene Jordan
Samuel Anderson Gilmore	Charles Edward Julin
John Leo Gilson	Thomas Kearny
Anson Conger Goodyear	Robert Henry Keener
Frederick Augustus Gorham, Jr.	William Roderick Kelley
George Dana Graves	MacIntosh Kellogg
Charles Abbott Greene	George Angelo Kernan
Joseph Warren Greene, Jr.	Fred Alonzo King
William Edward Schenck Griswold	Harry Davis Kingsbury
Morris Groves	Joseph Harvey Kitchen
Harry Randolph Guggenheimer	Samuel Preston Knight
Keith Osmond Guthrie	William DeLancey Kountze
Alfred Bates Hall	Victor Alexander Kowalewski
Francis Jenks Hall	Charles Tressler Lark, B.A. }
Arthur Sears Hamlin	Pennsylvania College 1898 }
William Stitt Hannon	Thomas Fisher Lawrence
Mervin Clark Harvey	Ebenezer Learned
Charles Montgomery Hathaway, Jr.	Teng Hwee Lee
John Dunham Hawes	Walter Clark Lee
Samuel Mills Hawley	Russell Cornell Leffingwell
Fred. Charles Hecker	Andrew Albright Leiser, Jr., B.A. }
George Edward Hecker	Bucknell University 1898 }
Isham Henderson	Charles Philip Leonard
James Poland Henry	Frederick Morton Leonard
Charles Jonathan Herrick	Othniel Blem Lessig
Thomas Denison Hewitt	Edwin Tuttle Lewis

Everson Howard Lewis	Philip Sheridan Potter
Oswald Lockett, Jr.	Charles Alonzo Powers
Robert Payson Loomis	Ord Preston
Alfred Richard Lowrie	Ernest Shurly Rastall
Leo Augustus Lynch	John Arthur Ray, B.A. }
Alexander Joseph McCarthy	Baylor University 1898 }
Thomas Skinker Maffitt	Ossian Ray, Jr.
James McDevitt Magee	John Reid, Jr.
Arthur Sitgreaves Mann	Frank Ridgely Rhodes
Arthur Matthias Marty	Walter Bright Rile
Alexander Burr Marvin	Howard Chandler Robbins
Huntington Mason	Elmer Wallace Robinson
Albert Joseph Mayer	William Hervy Rood
Ballinger Mills	Clinton Joseph Rumrill
George Henry Mitchell	Samuel Woodson Sawyer
George Samuel Mittendorf	Marvyn Scudder
Norton Thayer Montague	John Buss Seymour
Benjamin Burges Moore	Henry Shaw
Edward Colman Moore	Henry Robinson Shipman
Joseph Harrison Morey	Cyrus Spottswood Shippen
Herbert Morean Morgan	Frank Erdman Simmons
Frederick Hitchcock Morley	Edmund Pillsbury Smiley
Henry Killam Murphy	Alfred Cox Smith
William Bigelow Neergaard	Barry Congar Smith
William Barrett Neville	Ernest Stanley Smith
Henry James Nichols	George Henry Smith
Edward Theodore Noble	Solomon Albert Smith
Hibbard Richard Norman, 2d	Walter Byron Smith
John Pease Norton	William Chapman Spellman, Jr.
Winchester Noyes	Thomas Henry Spence
Howard Lawrence O'Fallon	Carl Bovee Spitzer
George Sturges Oliver	Constantine Demeter Stephanove
Colman Stuart O'Loughlin	Walter Thomas Stern
Harrison Grey Otis	William Kerfoot Stewart
Loring Bradford Packard	Louis Ezekiel Stoddard
Holkins Palmer	Sanford Stoddard
Joseph Coolidge Palmer	Richard Udall Strong
Francis Robert Parks	Carroll Fuller Sweet
Edward Spencer Parmelee	Charles Rufus Swift, Jr.
Wilber Smith Peck, Jr.	Henry Bruce Teller
Edwin Starr Pickett	Edward Thomas
Howard Platt	Clarence Elmore Thompson, Jr.
Omar William Platt	Chauncey Brewster Tinker
Joseph Scovil Porter	Henry Hunt Tomkins, Jr.

William Jessup Torrey	Eliot Watrous
Edward Andrew Tracy	Moses Alford Watterson
Edmund Quincy Trowbridge	Arthur Fitch Way
Ernest Truslow	Joseph Walker Wear
Lester Ferris Turney	Frederick Webster
Laurance Tweedy	Charles Hopkins Welles, Jr.
Edward Clark Upton	Guy Wellman
Alfred Gwynne Vanderbilt	Walter Hart West
Ralph Gibbs VanName	Frederick Willoughby Weston
Frederick Dale Vincent	William Mersereau Wheeler
John Armstrong Wade	Roger Sherman White, 2d
Charles Philip Wagner	William Fitz-Hugh Whitehouse, Jr.
George Lincoln Wakefield	Isaac Newton Wyckoff Wilson
Curtis Howe Walker	James Eldredge Wilson
Harry Brookings Wallace	Robert Rissler Wilson
William Godfrey Wallace	Edward Seymour Woodruff
Charles Fry Ward, B.A. }	Thew Wright
Western College (Iowa) 1898 }	Edward Esher Yaggy
George Liggett Ward	Henry Bingham Bartlett Yergason
Ezra Joseph Warner, Jr.	Henry McClure Young
Horace Byron Warner	Truman Post Young
Allan Warren	

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#### BACHELORS OF PHILOSOPHY

William Munn Ames	Donald Palmer Cameron
Charles Wilson Andrews	Henry Seidel Canby
John Foster Archbold	Charles Joseph Carroll
Charles Gurney Atha	Raymond Gustavus Clapp
Adolph Borie Babcock	Henry Skylin Clark
Henry Kimberly Babcock	Robert Sterling Clark
William James Backes	Walter Rockwell Clark
Harley Chester Backus	Frederick Sears Coe
James Bull Bassett	Carle Cotter Conway
Herbert Wesley Bates	Arthur Frank Corwin
Archibald Marshall Bell	John Chandler Dallam
Hamilton Fish Benjamin	Paul Nelson Dann
Howard Edward Boardman	Philip Thornton Dashiell
Alexander Wallace Botkin	Howard Lee Davis
Walter Minor Bradley	Osborn Atwater Day
Philip Rudolph Brand	Lee Wilson Dodd
William McKenzie Brown	Richard Julian Donnelly
William Heaney Buell	Daniel Patrick Doohan

Robert Livingston Dunn	Clifford Langley
Alfred Howlett Durston	Thomas LeBoutillier
Guy King Dustin	Elisha Sears Lewis
Edwin Milo Eddy	Frank Herman Lindenberg
Walter Louis Ehrich	Otto Hayes Lindenburg
John Henry Finley	George James Warner Mabree, Jr.
Thomas Rawdon Fisher, Jr.	Edward Armstrong McCullough
John Milton Fiske, Jr.	James Ewen McIntyre
Robert Philip Flint	Edward Everett Marshall
Henry deBretton Forbes	Franklin Hobart Miles
William Ebenezer Ford, Jr.	Osmond Leigh Miller
Frederic Henry Beecher Fowler	Leeds Mitchell
Charles James Freeborn	Hunter Morrison
David Huyler Gaines	Albert Willard Morse
John Walter Gannon	Herbert Bernhard Moses
Harry Courtlandt Gause	William Washburn Mursick
Louis Allston Gillet	Albert Cordoza Newcombe
Julian Henry Goodman	Henry Archibald North
Burnett Goodwin	Thomas Augustine O'Brien
Richmond Macleod Graff	Alfred Whipple Olds
Edwin Joseph Grant	Albert Josiah Osgood
Richard Frank Grant	Carl King Palmer
Harry LeBreton Gray	Oliver Henry Perry
John Cameron Greenleaf	Leopold Schuyler Quackenbush
Ward Slosson Gregory	Walter Murray Sanders
Dudley Guilford	Charles Augustus Hecksher de Saulles
Clinton Mudge Hall	Edward Nelson Saunders, Jr.
George Raymond Hall	Philip Rasselas Sears
Frederick Brown Harrison	Frank Earle Seeley
Charles Gardner Hart	Sidney Frank Shattuck
John Gibson Hazard	George Francis Sheedy
John Milton Henderson	Robert Ellsworth Smith
Herbert Thacker Herr	Louis Talcott Stone
James Albert Hogle	Gilbert Cornwell Summerfield
Nelson Arthur Howard	Alfred Howe Terry, B.A. }
Harry Arthur Stevens Howarth	Yale University 1898 }
Frederick Brown Humphreys	Seth Edward Thomas, Jr.
Francis Sherman Hunn	Walter Scott Thomas
James Clarke Jeffery	Leslie Helfenstein Thompson
John Holmes Johnston	Myron Turner Townsend
Frederick Morton Jourdan	Louis Schnebly Treadwell
William Windus Knight	Benjamin Fred Tritch
Richard Paul Kraft	Herbert Forsythe VanEvery
Richard Steele Lamb	

Darius Thompson Wadhams  
 Joseph Palmer Wadhams  
 James Theodore Walker  
 William Walker  
 Edward Carson Waller, Jr.  
 James McLean Walton  
 Clarence Arthur Warden  
 Frank Herbert Warren, Jr.  
 Frederick Parker Warren

Willis Ogden Warren  
 Arnold Beach Watson  
 Daniel Brewster Watson  
 Clarence Eugene Weaver  
 Clifford Yale Welles  
 Richard Norris Wilcox  
 Samuel Wolf  
 Charles Sherman Wray

## BACHELORS OF FINE ARTS

Ozias Dodge

Bela Lyon Pratt

## BACHELORS OF LAWS

Clarence Alfred Alexander	Arthur Linton Corbin, B.A. }
Arnon Augustus Alling, B.A. }	Univ. of Kansas 1894, <i>magna cum laude</i> }
Yale University 1896 }	
William Ansel Arnold, B.A. }	William Joseph Coughlin, Jr. }
Yale University 1896 }	William Merwin Craft, B.S. }
Charles William Bauby	Wash. and Jeff. Coll. 1896 }
Charles William Birely, B.A. }	Thomas James Field, Jr. }
Yale Univ. 1896, <i>magna cum laude</i> }	Charles Hunter Garnett, B.A. }
Stuart Robinson Bolin	University Illinois 1896, }
Henry Manchester Boss, Jr.	M.A. University of Illinois 1897 }
Laurens Reeve Bowden	Richard Johnson Goodman, B.A. }
Thomas Bowen, PH.B. }	Yale University 1896 }
Yale Univ. 1896 }	Eugene Eaton Grimm
Stanley Pearce Bradish	Robert Barlow Harkness
Clay Stone Briggs	Charles Henry Harriman
Arthur Hallock Brown, B.A. }	Wm. Henry Harrison Hewitt, B.A. }
Yale University 1897 }	Yale University 1897, <i>cum laude</i> }
Otis Herman Burnett, B.A. }	Samuel Eugene Hoyt, PH.B. }
Univ. Indiana 1893, LL.B. }	Yale University 1897 }
Northern Ind. Law School 1898 }	Joseph Moss Ives
Charles Pope Caldwell, LL.B. }	Frederick Stephen Jackson, B.A. }
University Texas 1898 }	Yale University 1896 }
Ward Church	William Carmody Keane
Walter Haven Clark, B.A. }	Edwin Ruthven Kelsey, Jr., B.A. }
Yale University 1896 }	Yale University 1897 }
William Henry Comley, Jr., B.A. }	Charles McCamic
Yale University 1897 }	Roy Lewis McClave
Theobald Mathew Connor, B.A. }	William Harry McMorris, B.A. }
Yale University 1897, <i>cum laude</i> }	Wesleyan University 1897 }

Knox Maddox, B.A. }	Ernest Clyde Simpson, B.S. }
Yale University 1897 }	Carson and Newman Coll. 1893 }
Clifford Cowles Mix	George White Skinner, Jr.
Harvey Lucius Montgomery, B.A. }	Edward Laurence Smith, B.A. }
Centre College 1897, <i>cum laude</i> }	Yale University 1897, <i>cum laude</i> }
Thomas Francis Noone, <i>cum laude</i>	George Vrooman Smith, B.A. }
Frank Evans Northrop	Union University 1894 }
Simon Phillips Northrup, LL.B. }	Frederick Richard Smyth
Dickinson College 1897 }	Louis Michael Sonnenberg, B.A. }
Louis Curtis Oakley, B.A. }	Yale University 1897 }
Yale University 1896 }	George Jehu Stoner
Edward Patrick O'Meara	Charles Heitler Studinski, B.A. }
Albert Oswald Pallman	Yale University 1897 }
Arthur James Raney	Thornton Joseph Theall
Hugh Nathan Roberts	Eyler Jonathan Todd
Charles Tier Russell	Jacob Bertram Ullman
Homer Harvey Shepard	Robert Jeremiah Woodruff, B.A. }
Edward Willis Sherman	Yale University 1894 }
Harry Roston Sherwood	Taro Yamada

### BACHELORS OF DIVINITY

Arthur Adelbert Amy, B.A. }	Herbert Atchinson Jump, B.A. }
Beloit College 1896 }	Amherst College 1896 }
Marion Wesley Baker, B.A. }	Eugene William Lyman, B.A. }
Union Christian College 1891, }	Amherst College 1894 }
PH.D. Wabash College 1895 }	Frank Barr McAllister, B.A. }
Stanley Francis Blomfield, B.A. }	Amherst College 1896 }
Olivet College 1895 }	Fred Hulse Mapes, B.A. }
John Peet Clyde, PH.B. }	Williams College 1896 }
Iowa College 1894, }	David Yeretsian Moor, B.A. }
M.A. Columbia Univ. 1898 }	Williams College 1896 }
Donald Grey Colp, B.A. }	Warren Morse
Fargo College 1896 }	Lewis Thurston Reed, B.A. }
Ernest Ellsworth Day, B.A. }	Amherst College 1893 }
University of Minnesota 1895 }	Edwin Bradford Robinson, B.A. }
Edward Russell Evans, B.A. }	Amherst College 1896 }
Amherst College 1894 }	Elmer Jay Teagarden, B.A. }
Christopher Robert Hamlin, B.A. }	Ohio Normal University 1885 }
Boston University 1893, }	Baxter Waters, B.A. }
M.A. Columbia University 1894 }	Christian University 1894 }
Chauncey Jeddie Hawkins, B.A. }	Burt Leon York, B.A. }
University of the Pacific 1896 }	Amherst College 1896 }
Charles Arthur Jaquith, B.A. }	Edwin Gaines Zellars, B.A. }
Dartmouth College 1896 }	Lane University 1896 }

## MASTERS OF ARTS

Edwin George Baldwin, B.A. }	Oliver Thomas Osborne, M.D. }
Illinois College 1894 }	Yale University 1884 }
Alexander Garner Bentley, B.A. }	William Henry Owen, Jr., B.A. }
Yale University 1896, }	Yale University 1897 }
LL.B. Columbian University 1888 }	Israel Hyman Peres, B.A. }
George William Carter, B.A. }	Yale University 1889, }
Wesleyan University 1892, }	LL.B. Yale University 1891 }
B.D. Drew Theol. Seminary 1893 }	Albert Granberry Reed, B.A. }
Arthur Smith Chittenden, B.A. }	Vanderbilt University 1895 }
Yale University 1896 }	Alfred Newton Richards, B.A. }
John Oscar Creager, B.A. }	Yale University 1897 }
Yale University 1897 }	Ernest Gladstone Richardson, B.A. }
Jay Glover Eldridge, B.A. }	Dickinson College 1896 }
Yale University 1896 }	Chohei Shirasu, }
Andrew Chesley Furbush, B.A. }	Doshisha University, Japan, 1893 }
Yale University 1897 }	Nathan Ayer Smyth, B.A. }
William Clark Gordon, B.A. }	Yale University 1897 }
Yale University 1888, }	Marius Joseph Spinello, B.A. }
B.D. Yale University 1891 }	Yale University 1896 }
Herbert Franklin Hamilton, B.A. }	Samuel Hamilton Spragins, B.A. }
Amherst College 1897 }	Johns Hopkins University 1897 }
Edgar Laing Heermance, B.A. }	Henry Crosby Stetson, B.A. }
Yale University 1897 }	Yale University 1893 }
Rupert Hughes, B.A. }	Elbert Marcus Stevens, B.A. }
Western Reserve University 1892 }	University of South Dakota 1894 }
Charles Fronefield Kloss, B.A. }	Samuel Cryder Sturgis, B.A. }
Pennsylvania College 1894 }	South Carolina College 1885 }
Joshua Larson, B.A. }	William Wood Wallace, B.A. }
Augustana College 1889 }	Hamilton College 1890, }
Chas. Samuel Leavenworth, B.A. }	B.D. Yale University 1896 }
Wesleyan University 1896 and }	J. E. Wallace Wallin, B.A. }
Yale University 1897 }	Augustana College 1897 }
Walter Dunham Makepeace, B.A. }	Arthur Gillender Walter, B.A. }
Yale University 1897 }	Yale University 1896 }
Francis Minor Moody, B.A. }	Charles Henshaw Ward, B.A. }
Yale University 1892 }	Pomona College 1896 }
James Boyd Neal, B.A. }	
Yale Univ. 1877, PH.B. }	
Yale Univ. 1879, M.D. Univ. Pa. 1883 }	

## MASTERS OF SCIENCE

Gaston Holcomb Edwards, PH.B. }	Joseph Culver Hartzell, B.S. }
Yale University 1897 }	U. S. Grant University 1892, }
	M.S. U. S. Grant Univ. 1895 }

## CIVIL ENGINEER

Edward Eastman Minor, PH.B. }	
Yale University 1896 }	



## MECHANICAL ENGINEERS

Edwin Morrison, PH.B. }	Cornelius Vanderbilt, Jr., B.A. }
Yale University 1889 }	Yale University, 1895 }
Horace Emerson Setchell, PH.B. }	PH.B. Yale University 1898 }
Yale University 1897 }	

## DOCTORS OF CIVIL LAW

Charles Henry Huberich, LL.B. }	Charles Phineas Sherman, B.A. }
University of Texas 1897, }	Yale University 1896, }
M.L. University of Texas 1898 }	LL.B. Yale University 1898 }
Samuel Peterson, B.A. }	
Yale Univ. 1895, }	
PH.D. Yale Univ. 1897, }	
LL.B. Yale Univ. 1898 }	

## DOCTORS OF MEDICINE

Thomas Joseph Bergin, B.A. }	James Pullman, B.A. }
Yale University 1896 }	Wesleyan University 1896, <i>cum laude</i> }
John Ladd Burnham, B.A. }	Edward Dorland Smith, B.A. }
Yale University 1896, <i>cum laude</i> }	Yale University 1896 }
Dean Foster, B.A. }	Albert Eugene VonTobel, B.A. }
University of Kansas 1896 }	Yale University 1896, <i>cum laude</i> }
Timothy Grattan O'Connell	

## DOCTORS OF PHILOSOPHY

John Milton Berdan, B.A. }	Franke Stuart Havens, B.A. }
Yale University 1896 }	Yale University 1896 }
Edward Day Collins, B.A. }	William Milton Hess, B.A. }
Yale University 1896 }	Yale University 1896 }
Clive Day, B.A. }	Holmes Condict Jackson, PH.B. }
Yale University 1892 }	Yale University 1896 }
Lee DeForest, PH.B. }	William Smythe Johnson, B.A. }
Yale University 1896 }	Ouachita Baptist College 1892, }
Alexander William Evans, PH.B. }	M.A. Ouachita Baptist College 1895 }
Yale University 1890, }	Louis Cleveland Jones, B.A. }
M.D. Yale University 1892 }	Yale University 1896 }
Arthur Woolsey Ewell, B.A. }	Albert Galloway Keller, B.A. }
Yale University 1897 }	Yale University 1896 }
Herbert Ernest Gregory, B.S. }	Edward Gridley Kendall, B.A. }
Gates College 1890, B.A. }	Yale University 1895 }
Gates Coll. 1895 and Yale Univ. 1896 }	Edward Martin Kindle, B.A. }
Ella Isabel Harris, B.A. }	Indiana University 1893, }
Waynesburg College 1889, }	M.S. Cornell University 1896 }
M.A. Waynesburg College 1892 }	

Arthur Power Lord, B.A. }	William Huntington Parker, B.S. }
Yale University 1893. }	Worcester Polytechnic Institute 1893 }
M.A. Yale University 1896 }	Leona May Peirce, B.A. }
Charles Stedman Macfarland, B.D. }	Smith College 1886 }
Yale University 1897 }	Walter Franklin Prince, B.A. }
Matataro Matsumoto, B.A. }	Yale University 1896 }
Imperial University of Japan 1893 }	Emerson Gifford Taylor, B.A. }
William Conger Morgan, B.A. }	Yale University 1895 }
Yale University 1896 }	John Dorrance Warnock, B.A. }
Charles Grosvenor Osgood, Jr., B.A. }	Yale University 1893 }
Yale University 1894 }	Charles Hyde Warren, PH.B. }
Frederick Morgan Padelford, B.A. }	Yale University 1896 }
Colby University 1896 }	Meyer Wolodarsky, PH.B. }
	Yale University 1894 }

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HONORARY DEGREES

## DOCTORS OF DIVINITY

Rev. D. Stuart Dodge, B.A. }	Rev. George Adam Smith, D.D. }
Yale University 1857 }	Edinburgh Univ. 1893 }

## DOCTORS OF LAWS

Hon. Frederic Adams, B.A. }	Emory McClintock, B.A. }
Yale University 1862 }	Columbia Univ. 1859 }
Hon. John W. Griggs, B.A. }	Charles S. Minot, S.B. }
Lafayette College 1868 }	Mass. Inst. of Tech. 1872 }
Arthur T. Hadley, B.A. }	Franz J. von Rottenburg }
Yale University 1876 }	
Hon. Frederick J. Kingsbury, B.A. }	
Yale University 1846 }	

## BACHELORS OF PHILOSOPHY

James Bishop Ford	John Kenneth Mackenzie
Jonathan Godfrey	Evelyn Pierpont Roberts

## MASTERS OF ARTS

William Beebe, B.A. }	John R. Mott, PH.B. }
Yale University 1873 }	Cornell University 1888 }
Robert S. Brookings	William A. Otis
Francis M. Bunce	James Pierpont
Herman Livingston	Rev. John H. Thomas
	William C. Wise

## HONORS IN THE ACADEMICAL DEPARTMENT

## HONORS IN ALL STUDIES, CLASS OF 1899

## ORATIONS

JOHN PEASE NORTON

JOHN FRANCIS FLYNN

HOWARD CHANDLER ROBBINS  
 FRANCIS JENKS HALL  
 RALPH GIBBS VANNAME  
 ROBBINS BATTELL ANDERSON  
 CHARLES MONTGOMERY HATHAWAY, JR.  
 CHARLES TRESSLER LARK

ARTHUR SITGREAVES MANN  
 JOHN KIRKLAND CLARK  
 HENRY ROBINSON SHIPMAN  
 JOSEPH HARRISON MOREY  
 HENRY JAMES NICHOLS  
 BARRY CONGAR SMITH

Sullivan Dorr Ames  
 Henry Cotheal Andrews  
 George Edwin Atwood  
 Norman Macleod Burrell  
 Guy Mortimer Carleton  
 William Dick Cutter  
 John Lewis Evans  
 George Willis Field  
 Lucius Pomeroy Fuller  
 Arthur Sullivan Gale

George Dana Graves  
 Alfred Bates Hall  
 George William Humphreys  
 Edwin Tuttle Lewis  
 Huntington Mason  
 Ballinger Mills  
 Frederick Hitchcock Morley  
 Carl Bovee Spitzer  
 Chauncey Brewster Tinker

DeForest Baldwin  
 Luther Louis Beard  
 John Bicknell  
 Henry Thornton Bowles  
 John Boyce  
 John Dolph Carson  
 William Enright Davenport  
 Alfred Yartlan Dubuque  
 Willard Ernest Everett  
 Frederick Bliss Fallon  
 Charles Root Fowler  
 Marvin Hayes Gates  
 Stewart Gilman  
 Samuel Anderson Gilmore  
 Wm. Edward Schenck Griswold  
 Mervin Clark Harvey  
 George Edward Hecker  
 William Edwin Hilliard  
 George Pelton Hutchins

Arthur Howard Hutchinson  
 Robert Henry Keener  
 Charles Philip Leonard  
 Henry Killam Murphy  
 William Bigelow Neergaard  
 Hibbard Richard Norman  
 Colman Stuart O'Loughlin  
 Holkins Palmer  
 Francis Robert Parks  
 John Arthur Ray  
 William Hervy Root  
 Louis Henry Schutte  
 Cyrus Spottswood Shippen  
 Walter Byron Smith  
 Carroll Fuller Sweet  
 Laurance Tweedy  
 John Armstrong Wade  
 Charles Philip Wagner  
 William Mersereau Wheeler

## DISSERTATIONS

Robert Campbell Adams  
 George Philip Baker  
 Charles Frederick Childs  
 John Watt Coddington  
 Ledyard Cogswell, Jr.  
 Joseph Allen Farley  
 Charles Royall Frazer  
 John Leo Gilson  
 Arthur Sears Hamlin  
 Thomas Denison Hewitt  
 William Churchill Hodge, Jr.  
 Fred Alonzo King

Victor Alexander Kowalewski  
 Teng Hwee Lee  
 Walter Clark Lee  
 Edward Colman Moore  
 William Barrett Neville  
 Winchester Noyes  
 Samuel Woodson Sawyer  
 Frank Erdman Simmons  
 Edmund Pillsbury Smiley  
 Curtis Howe Walker  
 Charles Fry Ward  
 George Liggett Ward

## DISPUTES

Charles Westley Abbott  
 Lorenzo Dibble Armstrong  
 William Augustus Barstow  
 Coburn Dewees Berry, Jr.  
 Edward Baldwin Boise  
 John Harvey Borden  
 Samuel Pearson Brooke  
 John Stark Cameron, Jr.  
 George Shepard Chappell  
 Charles Leroy Darlington  
 Leonidas John Durbin  
 Horace Jewell Fenton  
 William Henry Field  
 Frederick Augustus Gorham, Jr.

Melvin Tilden Holbrook  
 Richard Hooker  
 Russell Cornell Leffingwell  
 Leo Augustus Lynch  
 Arthur Matthias Marty  
 George Samuel Mittendorf  
 Benjamin Burges Moore  
 Ernest Shurly Rastall  
 Ossian Ray, Jr.  
 William Godfrey Wallace  
 Guy Wellman  
 Frederick Willoughby Weston  
 Edward Seymour Woodruff  
 Thew Wright

Charles Griswold Bartlett, Jr.  
 Charles Augustus Belin  
 Samuel Gale Boyce  
 Frederick Hiester Brooke  
 Oliver Sarson Bryant  
 Harry Clifford Colwell  
 Robert Darling  
 Charles Francis Doyle, Jr.  
 Richard Earp Forrest  
 Charles Abbott Greene  
 Keith Osmond Guthrie  
 Fred. Charles Hecker  
 Charles Jonathan Herrick  
 Edward Foote Hinkle  
 Frederick Hotze  
 Charles Edward Julin  
 MacIntosh Kellogg  
 Albert Hezekiah Kirtland  
 Joseph Harvey Kitchen  
 Samuel Preston Knight  
 Thomas Fisher Lawrence  
 Andrew Albright Leister, Jr.

Othniel Bliem Lessig  
 Loring Bradford Packard  
 Joseph Coolidge Palmer  
 Wilber Smith Peck, Jr.  
 Omar William Platt  
 Walter Bright Rile  
 Elmer Wallace Robinson  
 Marvyn Scudder  
 John Buss Seymour  
 Harry Shaw  
 Edward Thomas  
 Edmund Quincy Trowbridge  
 George Lincoln Wakefield  
 Ezra Joseph Warner, Jr.  
 Eliot Watrous  
 Arthur Fitch Way  
 Charles Hopkins Welles, Jr.  
 Robert Rissler Wilson  
 Henry Bingham Bartlett Yerga-  
 son  
 Henry McClure Young  
 Truman Post Young

## COLLOQUIES

Elmer Ellsworth Beeck  
 Harold Clark Cheney  
 Murray Witherbee Dodge  
 John Victor Doniphan, Jr.  
 Anson Conger Goodyear  
 Ellis Oliver Jones, Jr.  
 Everson Howard Lewis  
 Alfred Richard Lowrie  
 Edward Spencer Parmelee  
 Howard Platt

Joseph Scovil Porter  
 Charles Alonzo Powers  
 John Reid, Jr.  
 Solomon Albert Smith  
 Thomas Henry Spence  
 Sanford Stoddard  
 Clarence Elmore Thompson, Jr.  
 Frederick Dale Vincent  
 Harry Brookings Wallace  
 Horace Byron Warner

Hugh Moffat Bissell  
 Nicholas Frederic Brady  
 Charles Asahel Brayton, Jr.  
 Alfred Jerome Brown  
 Jamot Brown  
 Edward Thomas Canfield  
 Gerhard Hutchison Cocks  
 Clarence Eugene Coffin  
 William Doran Cushman  
 Dwight Huntington Day  
 John Crouse Entrekin, Jr.  
 Berne Holbrook Evans  
 Charles Maitland Fair  
 Frank Joseph Franey  
 William Stitt Hannon  
 John Dunham Hawes  
 Isham Henderson

Nelson Clarke Holland  
 Donald Russell Hooker  
 Ebenezer Learned  
 Oswald Lockett, Jr.  
 Norton Thayer Montague  
 Ernest Stanley Smith  
 William Chapman Spelman, Jr.  
 Constantine Demeter Stephanoff  
 William Kerfoot Stewart  
 Charles Rufus Swift, Jr.  
 Henry Bruce Teller  
 Edward Andrew Tracy  
 Lester Ferris Turney  
 Joseph Walker Wear  
 Frederick Webster  
 Isaac Newton Wyckoff Wilson  
 Edward Esher Yaggy

## HONORS IN SPECIAL STUDIES

## TWO-YEAR HONORS

*In Philosophy :*

William Hervy Rood

*In Natural Sciences :*

DeForest Baldwin  
 Francis Jenks Hall  
 George Pelton Hutchins  
 Albert Hezekiah Kirtland  
 Charles Philip Leonard  
 Leo Augustus Lynch  
 Frederick Hitchcock Morley  
 Arthur Fitch Way

*In Political Science and Law :*

Robbins Battell Anderson  
 Henry Cotheal Andrews  
 John Bicknell  
 William Edward Schenck Griswold  
 Alfred Bates Hall  
 Arthur Sears Hamlin  
 Henry James Nichols  
 Barry Congar Smith  
 Laurance Tweedy

*In History :*

Henry Cotheal Andrews  
 Charles Frederick Childs

*In English :*

George Willis Field  
 George Dana Graves  
 George William Humphreys  
 Chauncey Brewster Tinker

*In Ancient Languages :*

John Francis Flynn  
 Robert Henry Keener

*In Modern Languages :*

Charles Philip Wagner

*In Mathematics :*

Arthur Sullivan Gale

## ONE-YEAR HONORS

*In Philosophy :*

Charles Leroy Darlington  
Frank Erdman Simmons

*In Political Science and Law :*

Charles Royall Frazer  
Charles Tressler Lark  
Russell Cornell Leffingwell  
John Pease Norton  
Wilber Smith Peck

*In History :*

Arthur Howard Hutchinson  
Curtis Howe Walker

*In English :*

Charles Montgomery Hatha-  
way, Jr.  
George Liggett Ward

*In Natural Sciences :*

William Dick Cutter  
Carl Bovee Spitzer  
Ralph Gibbs VanName

*In Ancient Languages :*

Walter Clark Lee

*In Modern Languages :*

John Arthur Ray

*In Music :*

Charles Root Fowler  
Edward Colman Moore

## JUNIOR APPOINTMENTS

## YALE COLLEGE, CLASS OF 1901

## PHILOSOPHICAL ORATIONS

ARTHUR DWIGHT ALLEN  
HENRY HERBERT BABCOCK  
JOHN DUTTON BOGART  
FRANCIS GORDON BROWN, JR.  
LACEY DAVIS CASKEY  
JOHN BULLARD CHAMBERLAIN  
CHARLES MILLS DEFOREST  
ELDRIDGE LYON ELIASON  
ROBERT EARLE BROUGHTON HALL  
HAROLD STORRS HETRICK  
PAUL BOWEN ALDEN JOHNSON

WILLIAM MILLS MALTBIE  
RUSSELL HUBBARD NEVINS  
FRANK McDONNELL CAMP ROB-  
ERTSON  
RALPH ERNEST ROGERS  
HOWARD FRANK TAYLOR  
EDWIN HOTCHKISS TUTTLE  
WILLIAM HOWE WARREN  
OLIVER MARTIN WIARD  
ALFRED PARKS WRIGHT  
ARTHUR JEWETT YOUNG

## ORATIONS

Henry Hall Christian  
Oliver Hall Eddy  
John William Joy  
Edwin Colby Lewis  
Charles Edgar Rogers, Jr.  
Thomas Wright Russell, Jr.

Frederick Richard Ryan  
Malvern Hall Tillett  
Harry Edwin Ward  
Albert Micajah Webb  
Wilhelmus David Allen West-  
fall

Edward Bradford Adams  
 John Raymond Allen  
 Ira Lincoln Anderson  
 Aims Reading Chamberlain  
 Emerson Brewer Christie  
 Eugene Newton Curtis  
 James Louis Fiske  
 Arthur Huntington Gleason  
 Arthur Llewellyn Griffiths  
 Fred Gould Harris

Henry Wilder Healy  
 Ranulph Kingsley  
 George Blakeman Lovell  
 Everett Victor Meeks  
 George Milton Smith  
 Burton Isaac Tolles  
 Edwin Orlando Vaile, Jr.  
 Ralph Olney Wells  
 Carlton Taylor White  
 Jesse Sidney Wyler

## DISSERTATIONS

Charles Willis Allen  
 Morton David Cahn  
 Samuel Warren Gardner  
 William Frederick Hamilton

Arthur Houghton Killen  
 Henry Willis King  
 Clifford Gordon Pearce

## DISPUTES

Hugh Auchincloss  
 Edwin Hewitt Brown  
 Lawrence Knight Butler  
 Owen Crawford  
 William Joseph Downs  
 Ernest Hausberg  
 Lester Shands Holmes  
 Robinson Barnes McFadon

Frank Barrows Makepeace, Jr.  
 Albert Hunt Marckwald  
 Carl Frederick Francis Schulz  
 Frank Rose Serles  
 Dana Lewis Walcott  
 Edwin Barnes Wilson  
 Convers Buckingham Woolsey

Fred. William Arlt  
 Edward Dudley Bradstreet  
 Lewis Hollister Bronson  
 Charles Washburn Cady  
 Alexander Henry Carver  
 Robert Woods Chandler  
 Samuel Hopkins Clapp  
 George Maxwell Clark  
 Harold Bradford Colton  
 Edward Francis Donnelly  
 Frederick Benjamin Eiseman  
 Robert Sharp Fletcher  
 Harry Monteith Flint

Willard Duncan Howe  
 Downer McCord  
 William Gerald Dare Morgan  
 Russell Mott  
 Timothy Whitfield Mulford  
 Stanley Burnet Resor  
 Norton Myron Skiff  
 George Schley Stillman  
 Charles Ai Thomas  
 Edwin Potter Thompson  
 James Hutchinson Wear  
 George Arnold Welch  
 Heywood Hotchkiss Whaples

## COLLOQUIES

Brewster Frost Ames  
 Nathan Adolphus Baldwin, 2d.  
 Frederick Douglass Bonner  
 Lewis Paul Brown  
 James Mandeville Carlisle  
 William Pancoast Clyde, Jr.  
 Henry Stiles Curtiss  
 Charles Dupee

Richard Henry Edwards  
 John Arthur Findley  
 William Warner Hoppin, Jr.  
 Edwin Lorenzo Howell Hutchinson  
 Frederick Snow Kellogg  
 Emory Hopewell Lindenberger  
 Porter Hodge Linthicum

Louis Manierre  
 Frederick Griswold Mason  
 Walter Eugene Meyer  
 Paul Lincoln Mitchell  
 Paul Miller Mohr  
 Ray Morris  
 Harry Smith Osborn  
 James Anderson Parker  
 William Prescott Scott

Henry Pleasants Shaw  
 Robert Vaughan Spencer  
 Charles Thaddeus Terry  
 Edward Everett Tredway  
 Lucius Tuttle  
 Richard Wilson Walsh  
 Cameron Beach Waterman  
 Ogden Watson White  
 Arthur Shaler Williams

Frederick Blanchard Adams  
 Howard Melville Brown  
 George Lewis Catlin  
 Alfred Conkling Coxe, Jr.  
 Fred Stone Dodson  
 Roy Hawkes Gilpatrick  
 Harry Starin Gray  
 John Huntington Hord  
 William Hills Hutchins  
 Warren Sperry Jarvis  
 Paul John Leidigh  
 John Oppie McCall  
 DeWitt Clinton Noyes

William Alexander Penny  
 Thomas Markoe Robertson  
 Herbert Scoville  
 Jacques Lewis Silverman  
 Frederick William Struby  
 James Spencer Taintor  
 Arthur Abbott Thomas  
 Paul Thompson  
 Burton Parker Twichell  
 Kinsley Twining, Jr.  
 Fred Miller VanWicklen  
 William Prime Wattles

## HONORS IN THE SHEFFIELD SCIENTIFIC SCHOOL

### CLASS OF 1899

#### TWO-YEAR HONORS, FOR EXCELLENCE IN ALL STUDIES

William James Backes  
 Hamilton Fish Benjamin  
 Howard Edward Boardman  
 William McKenzie Brown  
 Henry Seidel Canby  
 Walter Rockwell Clark  
 Frederick Sears Coe  
 Lee Wilson Dodd  
 William Ebenezer Ford, Jr.  
 Harry Courtlandt Gause  
 Edwin Joseph Grant  
 Richard Frank Grant  
 Harry LeBreton Gray  
 Frederick Brown Harrison

John Milton Henderson  
 Herbert Thacher Herr  
 Harry Arthur Stevens Howarth  
 Frederick Brown Humphreys  
 Clifford Langley  
 William Washburn Mursick  
 Thomas Augustine O'Brien  
 Walter Murray Sanders  
 Frank Earle Seeley  
 Alfred Howe Terry  
 Darius Thompson Wadhams  
 William Walker  
 Daniel Brewster Watson  
 Clarence Eugene Weaver

#### HONORS IN SPECIAL STUDIES AWARDED TO STUDENTS NOT RECIPIENTS OF GENERAL HONORS

William Munn Ames  
*Political Science and History*  
 John Foster Archbold  
*Economics*  
 Alexander Wallace Botkin  
*French*  
 Philip Rudolph Brand  
*Chemistry and Geology*  
 William Heaney Buell  
*Chemistry*

Arthur Frank Corwin  
*Political Science, History and  
 Economics*  
 Philip Thornton Dashiell  
*French*  
 Daniel Patrick Doohan  
*French*  
 Guy King Dustin  
*Chemistry*



Walter Louis Ehrich  
*Civil Engineering*  
 Frederic Henry Beecher Fowler  
*Political Science and History*  
 William Windus Knight  
*Political Science*  
 Frankin Hobart Miles  
*French*  
 Leeds Mitchell  
*Chemistry and Geology*

Albert Willard Morse  
*Political Science*  
 Albert Cordoza Newcombe  
*Political Science and Economics*  
 Henry Archibald North  
*Chemistry*  
 James Theodore Walker  
*Economics*  
 Willis Ogden Warren  
*History*

## CLASS OF 1900

## HONORS FOR EXCELLENCE IN ALL STUDIES OF THE JUNIOR YEAR.

Frederic James Carnell  
 Alfred Knight Chittenden  
 Samuel William Dudley  
 Trumbull Kelly  
 Charles Scott Landers  
 Henry Franklin Merriam

Mikael Minasian  
 Francis Patrick Nolan  
 Orville Hickok Schell  
 Jesse Wheat Speidel  
 Henry Daniells Stowe  
 Frank Pell Underhill

## HONORS IN SPECIAL STUDIES AWARDED TO STUDENTS NOT RECIPIENTS OF GENERAL HONORS.

Everitte St. John Chaffee  
*French*  
 John Edward Collins  
*Mathematics and Civil Engineering*  
 William Wakefield Corbet  
*Mathematics and Civil Engineering*  
 Edward Clarence Dean  
*French*  
 Henry Forrest Dutton, Jr.  
*French*  
 Harry VanVleck Gifford  
*Mathematics and Civil Engineering*  
 Walter Theobald Hartmann  
*German*  
 Frederick George Hughes  
*Mechanical Engineering*

Charles Davenport Lockwood  
*History and Natural Science*  
 Charles Joel Parker  
*German, History, and Natural Science*  
 Edward John Rungee  
*German and French*  
 Herbert Frank Seward  
*Mechanical Engineering*  
 Ellsworth Johnson Smith  
*Biology*  
 William Strowbridge  
*German and Mathematics*  
 George Benjamin White  
*Biology*  
 Abraham Wolodarsky  
*German*

## HONORS IN THE MEDICAL SCHOOL,

## CLASS OF 1899

Degree of M.D., *cum laude*

John L. Burnham, B.A.  
 James Pullman, B.A.  
 Albert E. VonTobel, B.A.

## HONORS IN THE LAW SCHOOL, 1899

Degree of LL.B., *magna cum laude*

Charles William Birely, B.A., Yale University 1896.

Arthur Linton Corbin, B.A., University of Kansas 1894.

Degree of LL.B., *cum laude*

Theobald Mathew Connor, B.A., Yale University 1897.

Harrison Hewitt, B.A., Yale University 1897.

Harvey Lucius Montgomery, B.A., Center College 1897.

Thomas Francis Noone.

Edward Lawrence Smith, Yale University 1897.

## MIDDLE CLASS

William Francis Conway.

John Edward Edgerton, B.A., Trinity College 1894,

M.A. Yale University 1896.

Leslie Elmer Hubbard.

George Zahm.

## JUNIOR CLASS

Martin Toscan Bennett, B.A., Yale University 1898.

Herbert Wescott Fisher, B.A., Yale University 1898.

John Hillard.

Charles Potter Hine, B.A., Yale University 1898.

Warren Bowditch Johnson, B.A., Yale University 1898.

Cornelius Porter Kitchel, B.A., Yale University 1897.

Walter Dunham Makepeace, B.A., Yale University 1897.

Nathan Ayer Smyth, B.A., Yale University 1897.

Henry Hotchkiss Townsend, B.A., Yale University 1897.

## UNIVERSITY PRIZES AWARDED JUNE, 1899:

JOHN A. PORTER PRIZE—Nathan A. Smyth, M.A., Class of 1900, Yale Law School.

Committee of Award: Hon. Simeon E. Baldwin;  
Prof. Edward G. Bourne;  
Mr. Chauncey W. Wells.

COBDEN CLUB MEDAL—John P. Norton, Class of 1899, Yale College.

COOK PRIZE IN POETRY—Arthur S. Mann, Class of 1899, Yale College.

## PRIZES AWARDED IN THE ACADEMICAL DEPARTMENT

1898-99 :

DEFOREST PRIZE MEDAL—Class of 1899, Carroll F. Sweet.

TOWNSEND PREMIUMS—Class of 1899, Horace J. Fenton, George D. Graves, Arthur S. Hamlin, Richard Hooker, Henry R. Shipman.

DEFOREST MATHEMATICAL PRIZES—Class of 1899, Arthur S. Gale ; Class of 1900, 2d Prize, Howard L. Bronson ; Class of 1901, 1st Prize, Lucius Tuttle and Alfred P. Wright ; 2d Prize, Francis G. Brown, Jr. ; 3d Prize, Ralph O. Wells and Oliver M. Wiard ; Class of 1902, 1st Prize, Henry C. Thacher ; 2d Prize, Charles D. Francis ; 3d Prize, Anthony B. Arnold and Eugene S. Leavell, with honorable mention of William T. Garrett and William Hance.

WINTHROP PRIZES—Class of 1900, 1st Prize, Albert W. VanBuren ; 2d Prize, Eugene F. Farley.

HENRY JAMES TENEYCK PRIZES (for the Junior Exhibition)—Class of 1900, 1st Prize, William S. Coffin ; 2d Prizes, Frank M. Atterholt, Jr., Maurice P. Gould, Henry T. Hunt, Bascom Johnson, Walter S. Page, Howard Speer, Charlton B. Thompson.

SCOTT PRIZE IN GERMAN—Class of 1900, Herman M. Opitz.

SCOTT PRIZE IN FRENCH—Class of 1900, Stanley W. Edwards.

LUCIUS F. ROBINSON LATIN PRIZES—Class of 1900, 1st Prize, Albert W. VanBuren ; 2d Prize, Francis Cross, Jr. ; 3d Prize, Horace M. Poynter. Class of 1901, 1st Prize, Lacey D. Caskey ; 2d Prize, Harry E. Ward ; 3d Prize, Edward B. Adams.

THACHER PRIZES—Class of 1899, John K. Clark ; Class of 1900, Ashley D. Leavitt.

C. WYLLYS BETTS PRIZE—Class of 1901, Ranulph Kingsley.

HONORS IN ENGLISH COMPOSITION—Class of 1901, Henry H. Christian, Fred M. Clapp, Eugene N. Curtis, Arthur H. Gleason, Robert E. B. Hall, Ernest Hausberg, Henry W. Healy, Ranulph Kingsley, William G. D. Morgan, Ray Morris, Russell Mott, Clifford G. Pearce, Harry E. Ward, Albert M. Webb, Oliver M. Wiard.

ELOCUTION PRIZES—Class of 1901, 1st Prize, Howard Carleton ; 2d Prize, Frederick D. Bonner.

McLAUGHLIN PRIZES—Class of 1902, 1st Prize, Mason Trowbridge ; 2d Prize, D L James.

WINSTON TROWBRIDGE TOWNSEND PRIZES—Class of 1902, Ike G. Phillips, Walter L. Chamberlain, Robert H. Cory.

**BERKELEY PREMIUMS IN LATIN COMPOSITION**—Class of 1902, 1st Grade, George E. Davis, Sidney N. Deane, Harry M. Hubbell, Kersey C. Reed, Charles C. Russ; 2d Grade, Jacob Braun, Frederic Burnham, Harry B. Chamberlain, William B. Hooker, Henry L. Sweinhart.

**HUGH CHAMBERLAIN GREEK PRIZE**—Class of 1903, Henry I. Root, Hillhouse High School, and Harry B. VanDeventer, who was prepared privately, with honorable mention of Eliot R. Clark, Hartford High School.

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**UNDERGRADUATE SCHOLARS OF THE HOUSE,  
YALE COLLEGE, 1899-1900:**

**WOOLSEY Scholars**—Class of 1900, ALBERT W. VANBUREN; Class of 1901, ALFRED P. WRIGHT; Class of 1902, GEORGE E. DAVIS.

**SCOTT HURTT Scholars**—Class of 1900, THOMAS W. SWAN; Class of 1901, ROBERT V. SPENCER.

**THOMAS GLASBY WATERMAN Scholars**—Class of 1900, JOHN M. HOPKINS; Class of 1901, ALLAN H. RICHARDSON.

**BRISTED Scholar**—Class of 1900, FRANK E. HALE.

**DANIEL LORD, Junior, Memorial Scholar**—Class of 1900, GEORGE N. WHITTLESEY.

**ALFRED BARNES PALMER Scholar**—Class of 1900, ROGER C. PECK.

**HURLBUT Scholar**—Class of 1902, CHARLES C. RUSS.

**THIRD FRESHMAN Scholar**—Class of 1902, WILLIAM S. CREEVEY.

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**PRIZES AWARDED IN THE SHEFFIELD SCIENTIFIC  
SCHOOL, JUNE, 1899:**

Class of 1899:

**FOR EXCELLENCE IN MECHANICAL ENGINEERING**—Divided between Herbert Thacker Herr and Harry Arthur Stevens Howarth.

**FOR EXCELLENCE IN CIVIL ENGINEERING**—Clarence Eugene Weaver.

**THE BELKNAP PRIZE IN NATURAL HISTORY**—Frederick Brown Humphreys.

## Class of 1900 :

- FOR EXCELLENCE IN THE MATHEMATICS OF JUNIOR YEAR—Frederic James Carnell, with honorable mention of Henry Daniells Stowe.  
FOR EXCELLENCE IN GERMAN IN THE ADVANCED COURSE—Edward John Rungee, with honorable mention of Frederic James Carnell.  
FOR EXCELLENCE IN GERMAN IN THE ELEMENTARY COURSE—Abraham Wolodarsky, with honorable mention of Charles Joel Parker.  
FOR EXCELLENCE IN HISTORY—Rufus Adrian VanVoast.

## Class of 1901 :

- FOR EXCELLENCE IN ALL THE STUDIES OF THE FRESHMAN YEAR—Beverly Waugh Kunkel, with honorable mention of Albert Kemp Hubbard and Dorence Keith Atwater.  
FOR EXCELLENCE IN PHYSICS—Albert Kemp Hubbard, with honorable mention of Frederick Augustus Sherwood.  
FOR EXCELLENCE IN GERMAN—Herbert Lucker, with honorable mention of Harold Arthur Gilbert and Beverly Waugh Kunkel.  
FOR EXCELLENCE IN FRENCH—Hiram Miller, with honorable mention of Ralph Asher Pike and Frederic Eben Whitney.  
FOR EXCELLENCE IN CHEMISTRY—Hugh McKean Jones, with honorable mention of Hiram Miller, George Joseph Nelson Edmondson, and Henderson Gilbert.  
FOR EXCELLENCE IN MATHEMATICS—Beverly Waugh Kunkel, with honorable mention of Albert Kemp Hubbard and Henderson Gilbert.  
FOR EXCELLENCE IN MECHANICAL DRAWING—William Albert Hyde, with honorable mention of Ralph Asher Pike and Herbert Brinkerhoff North.  
FOR EXCELLENCE IN ADVANCED ENGLISH—Robert Morse Chamberlin.

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PRIZES AWARDED IN THE SCHOOL OF THE FINE ARTS,  
1899 :

- WILLIAM WIRT WINCHESTER PRIZE—John A. Twachtman.  
ALICE KIMBALL ENGLISH PRIZE—Jean M. Burr.  
ETHEL CHILDE WALKER PRIZE—Alice H. Wetmore.  
PRIZE IN ADVANCED ANATOMY—Lewis P. Skidmore, with honorable mention of Ethel W. Bennett.  
PRIZE IN ELEMENTARY ANATOMY—Howard Carleton, Class of 1901 Yale College, with honorable mention of Norman Olmstead.

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PRIZES AWARDED IN THE DEPARTMENT OF MUSIC,  
1899 :

- SCHOLARSHIPS—Clara Asher, W. J. Kraft, Maurice Porter, Sadie Rosenthal, Emma Spieske.

**PRIZES AWARDED IN THE MEDICAL SCHOOL, JUNE, 1899 :**

**CAMPBELL GOLD MEDAL**—John L. Burnham, B.A.

**KEESE PRIZE**—John L. Burnham, B.A.

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**PRIZES AWARDED IN THE DIVINITY SCHOOL, MAY, 1899 :**

**HOOVER FELLOWSHIP**—Class of 1899, Eugene W. Lyman, B.A.

**DOWNES PRIZES**—Class of 1899, Herbert A. Jump, B.A., Ernest E. Day, B.A.; Class of 1900, John E. Whitley, B.A., Joseph B. Lyman, Ph.B.

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**PRIZES AWARDED IN THE LAW SCHOOL, JUNE, 1899 :**

**TOWNSEND PRIZE**—Class of 1899, Charles H. Studinski, B.A.

**Committee of Award** : Prof. Henry M. Whitney, Beloit, Wisconsin ;  
Roger Foster, Esq., New York City ;  
Thomas Mills Day, Esq., New York City.

**JEWELL PRIZE**—Class of 1899, Arthur L. Corbin, B.A.

**MUNSON PRIZE**—Class of 1899, Frederick S. Jackson, B.A.

**Committee of Award** : E. P. Arvine, Esq., New Haven, Conn. ;  
Edwin A. Smith, Esq., New Haven, Conn. ;  
Sanford B. Martin, Esq., New Haven, Conn.

**BETTS PRIZE**—Class of 1901, Cornelius P. Kitchel, B.A.

**WAYLAND PRIZES** (Yale Kent Club Debate)—1st Prize, Jacob B. Ullman ; 2d Prize, Nathan A. Smyth, B.A. ; 3d Prize, Frank A. Lord, B.A.

**Committee of Award** : Rev. E. S. Lines, D.D., New Haven, Conn.  
Rev. F. M. R. Luckey, New Haven, Conn.  
Charles E. Curtis, New Haven, Conn.

**EDWARD THOMPSON COMPANY PRIZE**—Class of 1900, George Zahm.

**KENT CLUB DIPLOMAS** (for excellence in debate in the regular exercises of the Yale Kent Club)—Class of 1899, Charles H. Harri-  
man, William C. Keane, Thomas F. Noone, Simon P. Northrup,  
Louis M. Sonnenberg, B.A., Jacob B. Ullman.

## DIRECTORY.

The names of *officers* are printed in italics.

The names of students are followed by the designations of their several classes (Grad., Graduate; Sr., Senior; Md., Middle; Jr., Junior; 2, Second Year; 1, First Year; So., Sophomore; Fr., Freshman; Spec., Special); the names of students have appended also an indication of the Department to which each belongs, viz.: *a*, Academical Department; *d*, Divinity School; *f*, School of the Fine Arts; *g*, Graduate School; *l*, Law School; *m*, Medical School; *mus.*, Department of Music; *s.*, Sheffield Scientific School.

Names of buildings, etc., are abbreviated as follows:

*A.*, Absent on leave; *B.*, Berkeley Hall; *B. L.*, Sheffield Biological Laboratory; *D.*, Durfee Hall; *E. D.*, East Divinity Hall; *F.*, Farnam Hall; *L.*, Lawrence Hall; *LYC.*, Lyceum; *M.*, Peabody Museum; *N.*, North College; *N. S. H.*, North Sheffield Hall; *P.*, Pierson Hall; *S. H.*, Sheffield Hall; *S. L.*, Sheffield Chemical Laboratory; *S. M.*, South Middle College; *TR.*, Treasury Building; *V.*, Vanderbilt Hall; *W.*, Welch Hall; *W. D.*, West Divinity Hall; *WH.*, White Hall; *WINCH.*, Winchester Hall.

Abbe, E. F., <i>g</i>	37 Howe st.	Alexander, E., Sr. <i>a</i>	5 v.
Abbey, S. H., So. <i>a</i>	242 L.	Alexander, G., Jr. <i>d</i>	118 w. d.
Abbott, F., So. <i>a</i>	22 College st.	Alexander, J. H., Sr. <i>d</i>	108 w. d.
Abbott, G., So. <i>a</i>	22 College st.	Allen, A. D., Jr. <i>a</i>	265 L.
Abbott, H. E., <i>g</i>	Waterbury	Allen, C. W., Jr. <i>a</i>	265 L.
Abel, G. F., Sr. <i>d</i>		Allen, F. W., Sr. <i>a</i>	121 N.
Abercrombie, W. C., Jr. <i>l</i>	27 High st.	Allen, G. B., Jr. <i>s</i>	126 Wall st.
Ackley, O. S., So. <i>a</i>	161 F.	Allen, H., Sr. <i>s</i>	119 Wall st.
Adamian, P. A., Sr. <i>d</i>	102 w. d.	Allen, H. F., Jr. <i>s</i>	133 College st.
Adams, B. S., Sr. <i>a</i>	42 v.	Allen, J. A., Sr. <i>s</i>	105 Wall st.
Adams, C. H., So. <i>a</i>	234 D.	Allen, J. R., Jr. <i>a</i>	76 s. m.
Adams, E., So. <i>a</i>	22 College st.	Allen, W. B., Jr. <i>a</i>	356 WH.
Adams, E. B., Jr. <i>a</i>	89 s. m.	Allerton, R. W., Fr. <i>s</i>	77 Wall st.
Adams, F. Baldwin, Sr. <i>a</i>	16 v.	<i>Alling, A. N., Instr.</i>	199 York st.
Adams, F. Blanchard, Jr. <i>a</i>	61 Wolcott st.	Alling, E. P., <i>f</i>	120 Sherman av.
Adams, F. M., Fr. <i>s</i>	483 Orange st.	Alling, P. W., Spec. <i>s</i>	120 Sherman av.
<i>Adams, G. B., Prof.</i>	A.	Allison, W. T., Mid. <i>d</i>	34 E. D.
Adams, H. E., 2 <i>m</i>	1079 Chapel st.	Alsop, F. J. O., Fr. <i>a</i>	203 York st.
Adams, J. F., Jr. <i>l</i>	1 TR.	Alsop, J. deK., So. <i>a</i>	22 College st.
Adams, J. P., Sr. <i>a</i>	325 w.	<i>Amerman, G. L., Registrar</i>	(1 s. H.) 137 Wall st.
Adams, T. D., Fr. <i>s</i>	Westport	Ames, B. F., Jr. <i>a</i>	416 B.
Adams, T. S., Jr. <i>s</i>	133 College st.	Andel, C. E., So. <i>a</i>	154 F.
Adriance, W. M., Sr. <i>a</i>	108 N.	Anderson, I. L., Jr. <i>a</i>	75 s. m.
Agard, H. B., Sr. <i>l</i>	312 Elm st.	<i>Anderson, J., Fellow</i>	Waterbury
Albin, G. W., So. <i>a</i>	161 F.	Anderson, R. B., <i>g</i>	A.
Alexander, C. A., <i>g</i>	333 York st.	Anderson, O., Sr. <i>d</i>	75 w. d.

- Anderson, S. D., Sr. *d* 8 E. D.  
 Anderson, W. G., Instr. (GYMN.)  
 120 College st.  
 Andreen, G. A., Instr. A.  
 Andrews, C. T., Fr. *a* 559 P.  
 Andrews, C. W., Jr. *l* 86 Wall st.  
 Andrews, E. C., Sr. *a* 14 v.  
 Andrews, H. C., *g* 217 York st.  
 Andrews, J. W., *mus.* Southington  
 Andrews, T., Fr. *a* 7 Library st.  
 Angus, A. C., Jr. *a* Dwight Hall  
 Anthony, R. L., Sr. *a* 373 wh.  
 Archbald, H., Fr. *a* 555 P.  
 Arlt, F. W., Jr. *a* 802 State st.  
 Armstrong, E., *f* 208 Canner st.  
 Armstrong, G. E., Jr. *s* 110 Wall st.  
 Armstrong, J. W., Fr. *s* 24 High st.  
 Armstrong, M. K., Jr. *s*  
 131 Grove st.  
 Armstrong, R. W., So. *a* 409 B.  
 Armstrong, W. L., *g* A.  
 Arnold, A. B., So. *a* 157 F.  
 Arnold, E. H., Instr. 46 York sq.  
 Arnold, G. S., Fr. *a* 24 Dwight st.  
 Arnold, H. S., Sr. *a* 30 v.  
 Arnold, S. N., Fr. *a* 9 Library st.  
 Arnstein, W., Fr. *s* 126 Wall st.  
 Arvine, W. B., Fr. *a* 1169 Chapel st.  
 Asakawa, K., *g* 105 Park st.  
 Asher, C., *mus.* 23 Grove st.  
 Ashley, E. F., Sr. *m* 91 Lake pl.  
 Atchison, F. C., *i m* 342 George st.  
 Atkinson, R. L., Jr. *a* 166 F.  
 Atterholt, F. M., Sr. *a* 397 B.  
 Atwater, D. K., Jr. *s* 333 York st.  
 Atwater, F. S., *f* 291 George st.  
 Atwater, J. H., *f* 321 Whitney av.  
 Atwater, M., Fr. *a* 1151 Chapel st.  
 Atwill, D. H., Fr. *a* 521 P.  
 Aubrey, A. B., Mid. *l* Meriden  
 Auchincloss, C. C., Fr. *a*  
 254 York st.  
 Auchincloss, C. R., Fr. *a*  
 254 York st.  
 Auchincloss, H., Jr. *a* 166 F.  
 Austell, A., Jr. *l* 119 Wall st.  
 Austin, A. S., *mus.* 2 University pl.  
 Austin, M., *g* 58 Grove st.  
 Averell, W. H., Sr. *a* 64 v.  
 Avery, O. P., Sr. *d* 73 w. d.  
 Babbitt, S. C., *f* Meriden  
 Babcock, G. W., So. *a*  
 1076 Chapel st.  
 Babcock, H. H., Jr. *a* 548 P.  
 Babcock, H. W., Sr. *a* 55 v.  
 Bacharach, M., Sr. *l* 151 Bradley st.  
 Bacon, B. W., Prof. (10 E. D.)  
 30 Trumbull st.  
 Bacon, C. S., Jr. *l* Middletown  
 Bacon, F., Lecturer 32 High st.  
 Bacon, F. S., Jr. *l* Middletown  
 Bacon, L. W., Instr. 294 Elm st.  
 Bacon, N. T., *g* Peacedale  
 Baer, C. S., So. *a* 1076 Chapel st.  
 Bailey, A. W., Sr. *d* 94 w. d.  
 Bailey, E. M., Fr. *s* 295 York st.  
 Bailey, J. H., Sr. *a*  
 226 Commerce st.  
 Bailey, M., Instr. (150 F.)  
 442 Temple st.  
 Bailey, W., Fr. *s* 397 Temple st.  
 Bailey, W. B., Instr. 22 Lynwood st.  
 Baker, A. J., Sr. *a* 11 v.  
 Baker, G. M., Sr. *a* 112 N.  
 Baker, R. C., Sr. *a* 45 v.  
 Baker, T., Fr. *a* 248 York st.  
 Baker, T. N., *g* 35 Foote st.  
 Baldwin, C. S., Ass't. Prof.  
 (15 wh.) 57 Wall st.  
 Baldwin, DeF., *g* 260 Crown st.  
 Baldwin, E. H., *g* 150 Grove st.  
 Baldwin, S. E., Prof.  
 (69 Church st.) 44 Wall st.  
 Ballou, F., Jr. *s* 96 Wall st.  
 Balmer, W. E., Sr. *m*  
 150 St. John st.  
 Bancroft, C. K., Tutor 213 D.  
 Bancroft, P., So. *a* 110 N.  
 Barber, W. L., Fr. *a* 574 P.  
 Barbour, A. L., *g* 70 Whalley av.  
 Barbour, L. B., Sr. *a* 61 v.  
 Barbour, P. E., Fr. *a* 579 P.  
 Bardeen, N., Sr. *a* 358 wh.  
 Barker, F. W., *g* 46 E. D.  
 Barker, W. T., Fr. *a* 231 York st.  
 Barnard, W. K., Jr. *s* 103 Wall st.  
 Barnes, B., Ass't. 1442 Chapel st.  
 Barnes, C. D., So. *a* 22 College st.  
 Barnett, F. B., So. *a* 362 wh.  
 Barnett, J. F., *g* A.  
 Barnett, W. L., Mid. *l* 27 College st.  
 Barney, J. W., Sr. *a* 37 v.  
 Barney, S. E., Ass't. Prof.  
 346 Whitney av.  
 Barnwell, A., Fr. *s* 1 Hillhouse av.  
 Baron, J. J., 2 m. 92 Webster st.  
 Barrell, A. M., Sr. *a* 292 w.  
 Barrell, J., *g* 373 Crown st.



- Barrett, G. W., 1 m 71 w. d.  
 Barroll, G. M., Sr. s 111 Grove st.  
 Barry, T. F., Sr. l Derby  
 Bartholomew, G. H., Sr. a  
 225 Sherman av.  
 Bartholomew, J. H., Sr. s  
 119 Wall st.  
 Bartholomew, W. C., Sr. a  
 225 Sherman av.  
*Bartlett, C. J., Ass't. Prof.*  
 705 Elm st.  
 Bartlett, H. H., Fr. s 333 York st.  
 Bartlett, N. W., Sr. a 209 d.  
 Bartlett, S. R., Sr. a 112 N.  
 Bascom, C. E., Jr. s 111 Grove st.  
 Bassett, F. P., Sr. a 369 w. h.  
 Bassett, R. E., Jr. s Shelton  
 Bassett, S. E., g 41 Lynwood st.  
 Bassick, W. R., Sr. s 133 College st.  
 Bates, L. W., Fr. s 110 Wall st.  
 Bauer, E. T., Sr. a 255 Sherman av.  
 Baxter, C. H., So. a 229 d.  
 Baylor, R. V., So. a 233 d.  
 Bayne, J., Jr. s 88 Wall st.  
 Bayrd, J. E., Fr. s 397 Temple st.  
*Beach, F. E., Ass't. Prof.*  
 44 Lyon st.  
 Beach, W. D., Sr. d 96 w. d.  
 Beals, B. I., g 342 Crown st.  
 Bean, W. H., 1 m 40 Pleasant st.  
*Beard, A. F., Fellow* Norwalk  
 Beard, W. G., Mid. l 135 Howe st.  
 Beardsley, A. P., g Derby  
 Beardsley, G., Fr. a 1076 Chapel st.  
 Beardsley, H. J., Sr. a 41 Howe st.  
 Beck, F. G., 1 m 25 Warren pl.  
 Becker, A. C., Fr. a 9 Library st.  
 Beckwith, L. B., So. a 231 d.  
 Beebe, K., So. a 250 Crown st.  
*Beebe, W., Prof.* 262 Bradley st.  
*Beecher, C. E., Prof.*  
 (9 m.) 610 Orange st.  
 Beecher, J. C., mus. Shelton  
 Beecher, L. M., mus. Bethany  
 Beehler, W. H., Jr. s W. Haven  
 Beers, F., So. a 171 F.  
*Beers, G. E. Ass't. Prof.*  
 (15 Law School) 31 Lake pl.  
*Beers, H. A., Prof.* (171 F.)  
 25 Vernon st.  
 Belden, A. G., Fr. s  
 186 Sherman av.  
 Belin, F. L., Jr. s 131 Grove st.  
 Bell, A. McD., Sr. a 328 w.
- Bell, E. F., Mid. d 109 w. d.  
 Beltz, F., Jr. a 391 B.  
 Bendell, J. L., Fr. a 539 F.  
 Benner, E. H., Jr. s 105 Park st.  
 Bennethum, C. G., Fr. a  
 238 York st.  
 Bennett, E. W., f 357 Elm st.  
 Bennett, M. T., Mid. l  
 158 Whitney av.  
*Bennett, T. G., Fellow* New Haven  
 Bentley, A. G., g A.  
 Bentley, C., Sr. a 338 w. h.  
 Benton, J. H., Fr. a 1161 Chapel st.  
 Bercinsky, D., 2 m 28 Dow st.  
 Bergen, M. H., So. a 388 B.  
 Berman, L. C., Fr. a 9 Library st.  
 Berry, H. R., Jr. l 70 w. d.  
 Betts, J. M., Fr. a 200 Grove st.  
 Betts, R. W., Sr. s 111 Grove st.  
 Bevins, W. L., Mid. l Meriden  
 Bicknell, J., Jr., d 51 E. d.  
*Bierkan, A. T., Instr.* 42 Church st.  
 Bigelow, W. D., Jr. d 111 w. d.  
 Bill, A. H., Fr. a 1151 Chapel st.  
 Bindley, E. H., Sr. a 32 v.  
 Bindley, W. A., Jr. s 110 Wall st.  
 Birch, H. T., Sr. a 109 n.  
 Birmingham, E. A., 1 m Bridgeport  
 Bishop, C. A., Sr. s 28 Pearl st.  
*Bishop, F. C., Ass't.* 1223 Chapel st.  
*Bishop, L. B., Instr.* 77 Whitney av.  
*Bishop, W. H., Instr.* 68 High st.  
 Bispham, C. W., g 284 Orange st.  
 Bissell, H., Sr. a 306 w.  
 Bissell, R., So. a 270 L.  
 Bissell, S., Jr. d 37 E. d.  
 Black, R. L., Fr. a 208 d.  
*Blackman, W. F., Prof.* 7 E. d.  
 Blagden, A. S., Jr. s 133 College st.  
 Blaisdell, A. G., Fr. a 333 York st.  
 Blakeslee, W. C., Mid. d 18 E. d.  
 Blanchard, F. Q., Mid. d 55 w. d.  
 Blatchley, C. E., mus.  
 219 Blatchley av.  
 Blood, C. F., Fr. s 74 Lake pl.  
 Bloomer, H. J., Fr. a 208 d.  
 Blossom, D. S., Jr. a 265 L.  
 Blount, F. A., Sr. a 153 F.  
 Blount, N., Fr. s 150 Grove st.  
 Blount, W. A., Fr. a 248 L.  
 Blythe, J. J., g 75 w. d.  
 Boardman, D., So. a 22 College st.  
 Boder, L. F., So. a 282 L.  
 Bogart, J. D., Jr. a 236 d.

- Bogue, R., Fr. *a* 9 Library st.  
 Bollmann, C. F., Mid. *l* 40 Sylvan av.  
*Boltwood, B. B., Instr.* 162 s. L.  
 Bond, R. E., Fr. *a* 293 York st.  
 Bonner, F. D., Jr. *a* 37 Eaton st.  
 Bonoff, Z. A., *1 m* 26 Palmer st.  
 Boocock, H., Sr. *a* 20 v.  
 Booth, E., *f* 53 Lake pl.  
 Booth, M., *g* 12 Gill st.  
 Bourn, W. G., So. *a* 216 d.  
*Bourne, E. G., Prof.* 73 Mansfield st.  
 Bourne, J. B., Sr. *l* 297 Crown st.  
 Bourret, C. A., Mid. *d* 83 w. d.  
 Bowers, E. C., Fr. *a* 238 York st.  
 Bowie, T. C., *g* 96 s. m.  
 Boyce, J. L., Jr. *a* 290 w.  
 Brackett, E. S., 2 *m* 333 York st.  
 Bradford, E. G., Sr. *a* 299 w.  
 Bradford, M. C., *g* 70 Howe st.  
 Bradley, B. K., *f* 212 York st.  
 Bradley, M. D., *f* 1346 Chapel st.  
 Bradley, W. L., *1 m* 139 Chestnut st.  
*Bradley, W. M., Ass't.* 1346 Chapel st.  
 Bradstreet, E. D., Jr. *a* 273 L.  
 Brady, C. A., Fr. *a* 16 Park st.  
 Bragaw, A. C., Fr. *a* 333 York st.  
 Bragg, R. W., Jr. *s* 103 Wall st.  
 Brainard, E. W., Fr. *s* 126 High st.  
 Brainard, I. E., Jr. *m* 1151 Chapel st.  
 Brainard, J. J., Fr. *s* 391 Temple st.  
 Brainard, M. B., Sr. *a* 61 v.  
 Brainard, N. C., So. *a* 140 f.  
*Brastow, L. O., Prof.* (5 E. d.) 146 Cottage st.  
 Braun, J., So. *a* 211 State st.  
 Breckenridge, W. E., *g* A.  
 Breinig, D. E., Jr. *s* 103 Wall st.  
*Brennan, A. K., Ass't.* 179 Franklin st.  
 Brennan, W. D., Sr. *s* 113 Wall st.  
 Brereton, S. M., Fr. *a* 333 York st.  
 Brett, A., *mus.* 195 James st.  
*Brewer, W. H., Prof.* (4 s. H.) 418 Orange st.  
 Brigham, G. S., Jr. *s* 128 Wall st.  
 Brill, T., *mus.* 815 State st.  
 Brinkman, R. P., Fr. *a* 172 f.  
 Brinley, C. E., Sr. *a* 9 v.  
 Brinton, H. F., Jr. *l* 72 Howe st.  
 Bristol, H. S., Fr. *s* 124 Wall st.  
 Bristol, R., Fr. *a* 250 York st.  
 Bristol, S. G., Sr. *a* 100 n.  
 Britan, H. H., *g* 342 George st.  
 Britton, W. E., *g* 1317 Boulevard  
 Brixey, R. D., Jr. *s* 96 Wall st.  
 Brock, J. P., Sr. *a* 46 v.  
 Bronson, C. W., Sr. *a* 106 n.  
 Bronson, E. S., Sr. *a* 46 v.  
 Bronson, H. L., Sr. *a* 106 n.  
 Bronson, L. H., Jr. *a* 89 s. m.  
 Brooks, A. M., Sr. *s* 131 Grove st.  
 Brooks, C. L., Jr. *l* 22 Ashmun st.  
 Brooks, C. S., Sr. *a* 21 v.  
 Brooks, E., Jr. *s* 96 Wall st.  
*Brooks, J. A., Ass't.* Derby  
 Brougham, H. B., Jr. *a* 66 w. d.  
 Brown, A., So. *a* 242 York st.  
 Brown, A. T., Fr. *s* Fairfield  
 Brown, C. T., Fr. *a* 203 York st.  
 Brown, E. D., Jr. *a* 201 d.  
 Brown, E. H., Jr. *a* 314 w.  
 Brown, E. Wayne, Fr. *s* 220 Lawrence st.  
 Brown, E. Wilcox, Jr. *s* 271 Lloyd st.  
 Brown, E. Wm., *g* 106 Sherman av.  
 Brown, F. G., Jr. *a* 310 w.  
 Brown, H. M., Jr. *a* 273 L.  
 Brown, H. S., Sr. *s* 131 Grove st.  
 Brown, I. V., So. *a* 145 f.  
 Brown, James, So. *a* 150 College st.  
*Brown, John, Lecturer* Bedford, England  
 Brown, L. P., Jr. *a* 75 s. m.  
 Brown, N. H., Fr. *s* 104 Wall st.  
*Brown, R., Sec'y.* Observatory pl.  
 Brown, T. M. H., Fr. *a* 248 York st.  
 Brown, W. A., *g* N. Y. City  
 Brown, W. K., Sr. *s* 113 Wall st.  
*Browning, P. E., Ass't. Prof.* (Kent Lab.) 351 wh.  
 Brubacher, A. R., *g* 20 Carmel st.  
 Bruce, K., Sr. *a* 148 f.  
 Bruff, A. J., Fr. *s* 391 Temple st.  
 Bruno, F. J., Jr. *d* 105 w. d.  
 Brush, G., So. *a* 22 College st.  
*Brush, G. J., Prof.* 14 Trumbull st.  
 Buchanan, J. H., Mid. *l* 103 Park st.  
 Buck, J. H., Sr. *a* 352 wh.  
 Buck, W., Sr. *a* 357 wh.  
 Buckingham, C. B., Jr. *a* 254 L.  
 Buckwalter, J. B., Jr. *l* 238 York st.  
 Budau, J. H. D., Sr. *m* Bridgeport

Budd, F. F., 1 m	Meriden	Campbell, J. H., Sr. a	33 Wall st.
Buhrman, A., Jr. s	113 Wall st.	Campbell, J. N. H., Fr. a	223 York st.
Buist, G. L., Sr. m	123 York st.	Campbell, R. W., Fr. s	389 Temple st.
Bull, I. C., Jr. s	90 Wall st.	Campbell, S., Sr. a	46 v.
Bull, W. T., 2 m	120 College st.	Canada, W. J., Fr. s	710 Chapel st.
Bumstead, A., g	54 E. D.	Canby, H. S., g	86 Wall st.
Bumstead, H. A., Instr.	(118 WINCH.) 45 Edgehill Road	Canfield, E. T., Jr. l	1179 Chapel st.
Bumstead, R. W., Fr. a	177 F.	Cannon, G. S., Fr. s	391 Temple st.
Bunnell, F. S., g	31 Whalley av.	Cannon, W. T., Sr. m	57 Liberty st.
Bunnell, O. G., Instr.	92 York sq.	Capen, C. P., Sr. a	308 w.
Burbank, H. E., Sr. s	293 York st.	Carey, C. D., Fr. s	22 College st.
Burdett, R. H., Fr. a	529 P.	Carey, R. D., Sr. a	346 WH.
Burdick, I. E., Sr. s	77 Wall st.	Carleton, H., Jr. a	279 L.
Burdick, J. W., So. a	414 B.	Carlisle, G. L., Spec. s	96 Wall st.
Burgess, E., So. a	226 Whalley av.	Carlisle, J. M., Jr. a	335 WH.
Burke, E. G., Jr. l	333 York st.	Carmalt, W. H., Prof. 87	Elm st.
Burlingame, E. W., g	A.	Carnell, F. J., Sr. s	138 College st.
Burlingham, L. H., So. a	531 P.	Carpenter, G. B., So. a	406 B.
Burnham, C. L., Mid. l	333 York st.	Carrington, H. D., Instr.	335 Orange st.
Burnham, F., So. a	1151 Chapel st.	Carson, T. C., Jr. a	255 L.
Burns, K. L., Sr. a	93 s. M.	Carter, F., Sr. a	341 WH.
Burr, N. A., Jr. m	105 Park st.	Carter, G. W., Res. Lic. W. Haven	
Burrall, J. B., So. a	274 L.	Carter, L., Fr. a	313 York st.
Bush, C. E., Ass't. (1 s. H.)	133 Howe st.	Carter, L. B., Jr. a	313 w.
Bush, K. J., Fr. s	133 Howe st.	Carter, L. R., Fr. a	159 Elm st.
Bushnell, L. T., So. a	162 F.	Carver, A. H., Jr. a	291 w.
Bushong, J. R., Sr. a	260 L.	Carver, C. A., Sr. a	64 Whalley av.
Bushong, R. G., Fr. a	260 L.	Caskey, L. D., Jr. a	168 F.
Butler, A. N., Sr. a	381 WH.	Casler, D. B., Sr. a	336 WH.
Butler, G. H., Clerk	(1 Phelps) 136 Dwight st.	Catlin, G. L., Jr. a	377 WH.
Butler, G. M., Sr. d	98 w. D.	Chadwick, G. B., Fr. a	203 York st.
Butler, L. K., Jr. a	I v.	Chaffee, E. S., Sr. s	77 w. D.
Buttrick, H. E., g	A.	Chamberlain, A. R., Jr. a	221 D.
Butts, G. W., Fr. s	393 Temple st.	Chamberlain, H. B., So. a	74 s. M.
Butts, O. G., Fr. s	397 Temple st.	Chamberlain, J. B., Jr. a	125 N.
Byers, E. M., Jr. a	331 WH.	Chamberlain, W. L., So. a	143 F.
Cady, C. W., Jr. a	178 LYC.	Chamberlin, R. M., Jr. s	4 Mansfield st.
Cahn, M. D., Jr. a	393 B.	Chandler, G. P., g	46 College st.
Calhoun, C. S., Mid. d	41 E. D.	Chandler, J. H., Res. Lic. d	343 Quinpiac st.
Calhoun, N. M., Fellow	Winsted	Chandler, R. W., Jr. a	253 L.
Callender, J. A., So. a	137 F.	Chandler, W. W., g	31 High st.
Calmer, E., Fr. a	7 Library st.	Chapin, C. M., Fr. a	206 D.
Cameron, A., Sr. d	6 E. D.	Chapin, T. J., So. a	365 WH.
Cameron, A., Jr., Jr. a	33 v.	Chappell, D., Sr. a	370 WH.
Camp, H. C., Jr. l	192 York st.	Chappell, H., Jr. a	252 L.
Camp, S. B., Sr. a	318 w.	Charles, W. T., Sr. s	120 College st.
Camp, S. G., Jr. l	63 w. D.	Chase, A. L., Jr. d	53 E. D.
Campbell, A. S., Sr. l	378 Crown st.	Chase, F. L., Ass't. Astron.	Observatory
Campbell, C., Sr. s	131 Grove st.		
Campbell, F. W., So. a	100 Whalley av.		

- Chase, G. M., *g* 10 Ashmun st.  
 Chase, H. A., Sr. *s* Observatory  
 Chase, L. B., Sr. *d* 14 E. D.  
 Chase, W. L., So. *a* 143 F.  
 Cheney, F. D., Sr. *a* 15 v.  
 Cheney, P., Jr. *a* 178 LVC.  
 Cheney, T. L., Jr. *a* 178 LVC.  
 Childs, C. L., Jr. *s* 1 Hillhouse av.  
 Childs, J. H., Jr. *s* 88 Wall st.  
 Chisholm, F. M., Jr. *a* 252 L.  
 Chisholm, H., Jr. *a* 67 v.  
 Chittenden, A. K., Sr. *s* 83 Trumbull st.  
 Chittenden, G. P., Jr. *a* 238 D.  
 Chittenden, R. H., *Prof.*  
 (3 s. H.) 83 Trumbull st.  
 Chittenden, S. B., So. *a* 280 L.  
 Chittenden, W. L., Sr. *a* 43 v.  
 Christian, H. H., Jr. *a* 28 v.  
 Christie, E. B., Jr. *a* 120 N.  
 Church, R. S., Sr. *m* 1142 Chapel st.  
 Churchill, W., *g* 100 w. D.  
 Clapp, F. M., Jr. *a* 215 D.  
 Clapp, S. H., Jr. *a* 593 P.  
 Clark, A. B., So. *a* 154 F.  
 Clark, A. M., *f* Bridgeport  
 Clark, A. T., Sr. *s* 166 Meadow st.  
 Clark, C. U., *g* Rome  
 Clark, E. H., Sr. *s* 17 Hillhouse av.  
 Clark, E. R., Fr. *a* 333 York st.  
 Clark, E. W., Jr. *s* 132 Wall st.  
 Clark, F. A., Jr. *a* 287 w.  
 Clark, G. M., Jr. *a* 249 L.  
 Clark, H. H., Fr. *a* 130 Howe st.  
 Clark, H. T., Fr. *a* 459 Orange st.  
 Clark, J. B., *Lecturer*  
 280 W. 70th st., N. Y. City  
 Clark, J. E., *Prof.*  
 (40 N. S. H.) 445 Orange st.  
 Clark, J. W., Sr. *a* 164 F.  
 Clark, K. D., Fr. *a* 427 Temple st.  
 Clark, M. W., *g* 78 Lake pl.  
 Clark, N. E., Fr. *s* 140 College st.  
 Clark, P. D., So. *a* 242 L.  
 Clark, S. C., Fr. *a* 1076 Chapel st.  
 Clark, W. M., Jr. *s* 459 Orange st.  
 Clark, W. S., Fr. *s* 389 Temple st.  
 Clark, W. W., Fr. *s* 427 Temple st.  
 Clarke, C. C., *Instr.* 65 Grove st.  
 Clarke, C. G., Sr. *d* 29 E. D.  
 Clarke, K. K., Sr. *s* 117 Wall st.  
 Clarke, M. E., *mus.* 223 Whalley av.  
 Clarke, O. M., Sr. *l* 1044 Chapel st.  
 Clarke, T. B., Sr. *a* 355 wh.  
 Clarke, T. L., *g* A.  
 Clarke, V. B., Fr. *s* Milford  
 Clarke, W. R., Sr. *a* 302 w.  
 Clegg, W. E., So. *a* 417 B.  
 Cleland, H. F., *g* 109 Elm st.  
 Clement, A. T., Fr. *a* 1076 Chapel st.  
 Clement, A. W., Sr. *a* 51 v.  
 Clifford, O. M., So. *a* 135 F.  
 Clock, R. O., Jr. *s* 78 Lake pl.  
 Cluett, A. R., Jr. *s* 133 College st.  
 Clute, H. E., Mid. *d* 40 E. D.  
 Clyde, W. P., Jr. *a* 320 w.  
 Coard, G. F., Fr. *a* 237 York st.  
 Cobb, N. H., Fr. *a* 1076 Chapel st.  
 Cochran, C. H., So. *a* 270 L.  
 Cochran, G. A., Fr. *a* 1074 Chapel st.  
 Coe, F. S., *g* Newark  
 Coe, W. R., *Instr.*  
 (75 B. L.) 2 Hillhouse av.  
 Coffeen, H. M., Fr. *s* 133 Wall st.  
 Coffey, J. R., Fr. *a* 17 Autumn st.  
 Coffin, H. S., *g* A.  
 Coffin, J. R., Fr. *s* 387 Temple st.  
 Coffin, W. S., Sr. *a* 62 v.  
 Cole, R. H., So. *a* 585 P.  
 Coleman, L. G., Fr. *a* 293 York st.  
 Colgan, J. P., 2 *m* 118 Ashmun st.  
 Collins, A. M., Fr. *a* 250 L.  
 Collins, C. H., So. *a* 22 College st.  
 Collins, E. D., *Instr.*  
 398 Edgewood av.  
 Collins, H. P., *g* 73 Lake pl.  
 Collins, J. E., Sr. *s* W. Haven  
 Collins, W. F., So. *a* 393 East st.  
 Collins, W. G., Fr. *a* 361 wh.  
 Collins, W. H., *g* 25 High st.  
 Colton, H. B., Jr. *a* 279 L.  
 Colton, H. E. So. *a* 91 w. D.  
 Colton, M. A., *Instr.* 90 s. M.  
 Colvocoresses, G. M., Sr. *a* 372 wh.  
 Comstock, E. M., *g* 74 Lake pl.  
 Comstock, W. J., *Instr.*  
 43 Trumbull st.  
 Conant, G. K., Fr. *a* 297 w.  
 Condict, P. K., Fr. *a* 155 Elm st.  
 Condit, P. B., Jr. *s* 116 College st.  
 Congdon, E., Sr. *a* 81 s. M.  
 Conklin, L. R., *g* A.  
 Conner, N. G., Sr. *a* 164 F.  
 Conner, W. N., Jr. *s* 96 Wall st.  
 Conway, W. F., Sr. *l* 227 Crown st.  
 Cook, A. S., *Prof.*  
 (135 Elm st.) 219 Bishop st.  
 Cook, C. P., Jr. *s* 133 College st.

- Cook, F. C., Sr. *a* 103 N.  
 Cook, L. A., Sr. *a* 40 v.  
 Cook, W. W., *mus.* Southington  
 Cooke, C. M., *Ass't.* 112 College st.  
 Cooney, W. J., 2 *m* 107 Greene st.  
 Coonley, F., Sr. *m* 333 York st.  
 Cooper, J. W., *Fellow* New Britain  
 Copley, G. N., Jr. *s* 77 Wall st.  
 Corbet, W. W., Sr. *s* 120 College st.  
 Corbin, A. L., *g* 89 Whalley av.  
 Corbin, W. L., *g* 116 w. d.  
 Corning, E., Fr. *a* 237 York st.  
 Corwin, R. N., *Prof.* 333 Crown st.  
 Cory, D. U., Fr. *a* 597 p.  
 Cory, R. H., So. *a* 595 p.  
 Costello, P. V., Jr. *m* 214 Franklin st.  
 Coughlin, J., *g* Bridgeport  
 Coughlin, T. C., Sr. *l* Bridgeport  
 Cowdrey, W. L., Sr. *s* 109 Wall st.  
 Cox, H. B., So. *a* 22 College st.  
 Coxe, A. C., Jr. *a* 256 L.  
 Coy, S. L., Jr. *a* 295 w.  
 Craighead, A., Fr. *a* 203 York st.  
 Cramer, W. B., Fr. *s* 147 Dwight st.  
 Crampton, F., Sr. *a* 64 v.  
 Crandall, R. E., Jr. *a* 17 Parmelee av.  
 Crane, Z. M., Sr. *a* 4 v.  
 Crankshaw, R. N., Fr. *s* 120 College st.  
 Crawford, C. M., Sr. *a* 72 s. M.  
 Crawford, F. T., Sr. *a* 355 wh.  
 Crawford, O., Jr. *a* 258 L.  
 Creevey, W. S., So. *a* 22 College st.  
 Cressler, A. M., So. *a* 22 College st.  
 Cressler, G. H., Fr. *s* 110 Wall st.  
 Cressy, M. S., Sr. *a* 130 F.  
 Crittenden, W. E., Sr. *a* 381 wh.  
 Cromwell, J. C., Fr. *s* 411 Temple st.  
 Cronan, J. P., Fr. *a* 455 Orange st.  
 Cronin, D., Jr. *l* 145 College st.  
 Cross, F., Sr. *a* 448 Washington av.  
 Cross, J. W., Sr. *a* 9 v.  
 Cross, W. L., *Ass't. Prof.* (22 s. H.) 306 York st.  
 Crossley, J. J., *g* 128 Howe st.  
 Crosthwaite, B. M., Fr. *s* 110 Wall st.  
 Crosthwaite, J. L., Jr. *a* 58 v.  
 Crouse, G. N., 1 *m* 17 Hillhouse av.  
 Crowe, E. R., Fr. *a* 1076 Chapel st.  
 Crowe, R. E., Mid. *l* 333 York st.  
 Crowe, W. H., *Ass't.* 74 Whalley av.  
 Cummings, F. I., *mus.* Plantsville  
 Cunha, A. R., Mid. *l* 1151 Chapel st.  
 Curran, T. H., Fr. *a* 38 Lake pl.  
 Currier, R. D., Sr. *a* 371 wh.  
 Curry, S. S., *Instr.* 12 E. D.  
 Curtis, C. E., *g* 254 Prospect st.  
 Curtis, E. L., *Prof.* (12 E. D.) 61 Trumbull st.  
 Curtis, E. N., Jr. *a* 168 F.  
 Curtis, E. S., *f* Stratford  
 Curtis, K. W., Fr. *a* 297 w.  
 Curtiss, C. L., 1 *m* 374 Whalley av.  
 Curtiss, H. S., Jr. *a* 290 w.  
 Cushing, C. C. S., So. *a* 165 F.  
 Cushman, E. C., Fr. *a* Ansonia  
 Cutler, E. E., *g* 284 Orange st.  
 Cutten, G. B., *g* 80 First st.  
 Cutter, E., Jr. *s* 133 College st.  
 Daggett, L. M., *Instr.* (42 Church st.) 77 Grove st.  
 Dana, E. S., *Prof.* (4 M.) 119 Grove st.  
 Dana, J. D., Sr. *a* 305 w.  
 Danaher, D. J., Mid. *l* Meriden  
 Darrow, W. H., Jr. *l* 428 Howard av.  
 Davenport, W. E., Jr. *l* Bridgeport  
 Davidson, E. E., Sr. *a* 42 v.  
 Davidson, M. L., Fr. *a* 219 York st.  
 Davies, H., *Lecturer* 275 L.  
 Davies, W. E., Mid. *d* 88 w. d.  
 Davis, C. W., So. *a* 599 p.  
 Davis, G. E., So. *a* 101 w. d.  
 Davis, H. S., Fr. *s* Hamden  
 Davis, J. E., Sr. *a* 346 wh.  
 Davis, W. E., So. *a* 1044 Chapel st.  
 Day, C., *Instr.* 158 Whitney av.  
 Day, C. E., Jr. *s* 285 York st.  
 Day, C. O., Fr. *a* 583 p.  
 Day, D. S., So. *a* 581 F.  
 Day, G. E., *Prof.* 125 College st.  
 Day, H. F., Jr. *s* 132 Wall st.  
 Day, J., Jr. *a* 240 d.  
 Day, O. A., Jr. *l* 310 York st.  
 Day, R. D., Fr. *a* 522 p.  
 Day, W. E., So. *a* 414 B.  
 Day, W. F., *Auditor* New Haven  
 Dayton, R. G., Jr. *l* Bridgeport  
 Dean, E. C., Sr. *s* 135 Wall st.  
 Dean, S. B., Sr. *a* 43 v.  
 Dean, W. P., Fr. *s* Bridgeport  
 Deane, J. P., Grad. *d* 95 w. d.  
 Deane, S. N., So. *a* 81 w. d.  
 Decrow, J. W., Sr. *a* 374 wh.

- Deering, J. R., So. a 22 College st.  
 Defendorf, A. R., Lect. Middletown  
 DeForest, C. M., Jr. a 389 B.  
 DeForest, R. G., Mid. l Bridgeport  
 DeGolyer, D. L., Spec. s 131 Grove st.  
 Delafield, E. H., So. a 129 F.  
 Delano, M., g A.  
 Denno, W. J., Fr. a 94 S. M.  
 Dent, G., Fr. s 104 Wall st.  
 Depew, C. M., Fellow 43 W. 54th st. N. Y. City  
 Dettmer, J. G., Jr. a 203 D.  
 Devitt, W. V., Sr. l Bridgeport  
 Dewey, G. A., So. a 22 College st.  
 Dexter, F. B., Librarian (LIBR.) 178 Prospect st.  
 Dickerman, E. S., g 140 Cottage st.  
 Dickerman, H. L., Jr. l Westville  
 Dickerman, S. O., Instr. 140 Cottage st.  
 Dickinson, F. M., Sr. s 103 Park st.  
 Dickinson, W. H., Fr. s 109 Wall st.  
 Digney, R. E., Fr. a 120 High st.  
 Dimock, H. F., Fellow 25 E. 60th st., N. Y. City  
 Ditmars, R. F., Jr. s 563 Orange st.  
 Dix, W. L., So. a 285 York st.  
 Dixon, H. L., Jr. s 110 Wall st.  
 Dodd, R. L., Sr. a 68 Park st.  
 Dodge, A. D., Fr. a 1076 Chapel st.  
 Dodge, L., g 77 Grove st.  
 Dodson, F. S., Jr. a 110 N.  
 Dominick, G. F., g A.  
 Donnelly, E. F., Jr. a 322 W.  
 Donnelly, R. J., g 149 College st.  
 Donohoe, B. F., 1 m 27 Lincoln st.  
 Donohoe, E. A., Fr. a 589 P.  
 Doolittle, W., Fr. s 395 Temple st.  
 Dorman, E. W., Fr. a Stratford  
 Doudge, B. T., Jr. a 68 v.  
 Douglas, M., Sr. a 340 wh.  
 Douglass, W. L., Fr. a 73 Lake pl.  
 Dow, C. M., Sr. s 96 Wall st.  
 Dow, H. A., Sr. a 336 wh.  
 Dowd, W. E., Sr. s 131 Grove st.  
 Downs, E. S., Ass't. (Sloane Lab'y) 128 Howe st.  
 Downs, W. J., Jr. a 91 S. M.  
 Draper, C. H., Sr. a 16 v.  
 Draper, T. P., Fr. a 231 York st.  
 Dreisbach, J. M., Fr. a 600 P.  
 Dresser, R. B., So. a 409 B.  
 Drew, D. C., Sr. a 81 S. M.  
 Drury, H. L., Fr. a 206 D.  
 DuBois, A. J., Prof. (129 WINCH.) 258 Bradley st.  
 Dudley, C. T., Sr. s 133 College st.  
 Dudley, G. W., Sr. s 526 George st.  
 Dudley, S. W., Sr. s Westville  
 Duell, H. S., So. a 237 D.  
 Duhan, J., Jr. s 1136 State st.  
 Duke, A., 1 m 214 Dixwell av.  
 Dumas, J., Lecturer Rethel, France  
 Duncan, G., Sr. a 25 v.  
 Duncan, G. M., Prof. (275 L.) 175 Edwards st.  
 Duncan, W. W., So. a 135 F.  
 Dunham, D. A., Fr. a 120 High st.  
 Dunham, M., g 74 Lake pl.  
 Dunleavy, J. J., 2 m 14 St. John st.  
 Dupee, C., Jr. a 285 w.  
 DuPuy, H. W., Fr. a 248 York st.  
 Durant, G. G., Fr. a 379 Crown st.  
 Duren, W., Jr. s 77 Wall st.  
 Dustin, G. K., g 51 Prospect st.  
 Dutcher, H. S., Fr. s 217 York st.  
 Dutton, H. F., Sr. s 110 Wall st.  
 DuVal, C. L., Fr. a 250 York st.  
 Dwight, A. T., Sr. s 101 Wall st.  
 Earley, G. C., Fr. s 263 Crown st.  
 Earnshaw, W. A., Fr. a 7 Library st.  
 Eastburn, H. G., Ass't. 27 High st.  
 Eastlund, J., g 16 Hughes pl.  
 Eastman, B. S., Fr. s 409 Chapel st.  
 Eastman, F. M., So. a 22 College st.  
 Easton, E., So. a 384 B.  
 Eaton, E. D., Sr. a 352 wh.  
 Eaton, G. F., Instr. (8 M.) 70 Sachem st.  
 Eaton, F. W., Sr. a 17 v.  
 Eberle, O. L., Jr. s 77 Wall st.  
 Eble, R. A., Sr. a 380 wh.  
 Ecker, F. A., f Middletown  
 Eckhardt, M. M., Sr. s 22 College st.  
 Eddy, O. H., Jr. a 316 w.  
 Edgerton, J. W., Sr. l 158 Whitney av.  
 Edmondson, G. J. N., Jr. s 18 Bishop st.  
 Edmondson, N. E., mus. 173 Blatchley av.  
 Edwards, G. H., 2 m 57 Prospect st.  
 Edwards, R. H., Jr. a 257 L.  
 Edwards, S. W., Sr. a 1044 Chapel st.

- Eells, J. S., Jr. *a* 19 v.  
 Egan, D. E., *i m* 20 Pearl st.  
 Eggleston, E. P., Sr. *a* 101 N.  
 Ehrich, W. J., Sr. *s* 119 Wall st.  
 Eiseman, F. B., Jr. *a* 396 B.  
 Eldridge, J. G., *Instr.* 102 N.  
 Eliason, E. L., Jr. *a* 246 L.  
 Eliason, J., Fr. *a* 246 L.  
 Elkin, W. L., *Astron.* 477 Prospect st.  
 Elkins, S. B., Sr. *a* 319 w.  
 Ellerbe, C. P., Sr. *a* 25 v.  
 Ellicott, C. R., Fr. *s* 411 Temple st.  
 Ellis, A. L., *2 m* 333 York st.  
 Ellis, G. B., Jr. *a* 55 v.  
 Ellsbree, E. C., Sr. *a* Meriden  
 Ellsworth, B., Fr. *a* 268 L.  
 Ellsworth, H. E., Sr. *a* 15 v.  
 Elmer, A. T., Jr. *l* 82 Wall st.  
 Elmer, M. S., Fr. *s* 397 Temple st.  
 Elmes, F. A., So. *a* 577 P.  
 Ely, A. E., Sr. *a* 183 LYC.  
 Ely, C. B., Sr. *s* 133 College st.  
 Ely, J. S., *Prof.* 60 Wall st.  
 Embree, W. D., So. *a* 114 N.  
 Emerson, J. R., Sr. *s* 119 Wall st.  
 Emmett, F. A., *2 m* 152 Grove st.  
 Engelhardt, N. L., Fr. *a* 364 wH.  
 Engelking, S., Sr. *a* 421 B.  
 Ennis, E. A., *f* West Haven  
 Ericson, C. A., Mid. *l* New Britain  
 Escher, A. F., So. *a* 147 F.  
 Eshleman, H. L., Jr. *a* 413 B.  
 Estee, O. D., Sr. *a* 1044 Chapel st.  
 Evans, A. W., *Instr.* (18 s. H.) 2 Hillhouse av.  
 Evans, J. K., Fr. *a* 313 York st.  
 Evans, W. A., So. *a* 120 Dwight st.  
 Everts, H. C., So. *a* 61 w. D.  
 Everts, G. B., Fr. *a* 516 Chapel st.  
 Ewell, R. H., Fr. *a* 419 B.  
 Ewell, W. S., Jr. *a* 239 D.  
 Fachiri, A., Fr. *a* 250 York st.  
 Fackler, E. B., Sr. *a* 327 w.  
 Fahy, B. B., *i m* 343 Cedar st.  
 Fahy, F. P., Fr. *s* 343 Cedar st.  
 Failing, E. J., Fr. *a* 565 P.  
 Fairbank, J. J. M., Fr. *a* 532 P.  
 Fairbanks, J., Fr. *a* 1076 Chapel st.  
 Faithorn, W. E., Jr. *s* 22 College st.  
 Falls, J. W., Sr. *s* 128 High st.  
 Fanslow, A. Y., *mus.* 53 Salem st.  
 Fanslow, W. F., Jr. *a* 53 Salem st.  
 Fanton, W. H., So. *a* 127 Dwight st.  
 Farley, E. F., Sr. *a* Derby  
 Farley, E. W., Jr. *s* 132 Wall st.  
 Farnam, H. W., *Prof.* A.  
 Farnam, P. E., Fr. *a* 570 P.  
 Farr, A. R., *mus.* New Haven  
 Farr, C. E., *i m* 333 York st.  
 Farr, H. A., *Tutor* 170 F.  
 Farr, L., Sr. *a* 68 Audubon st.  
 Farra, J. A., Jr. *s* 17 Hillhouse av.  
 Farrel, A., So. *a* 1002 Chapel st.  
 Farrel, F., Fr. *a* 250 York st.  
 Farrow, W., *f* Middletown  
 Faulkner, F., Mid. *l* 64 High st.  
 Feeter, J. A. C., Fr. *s* 133 College st.  
 Fenton, H. J., *g* 90 Park st.  
 Ferguson, A. L., So. *a* 22 College st.  
 Ferguson, E. B., Sr. *d* 97 w. D.  
 Ferguson, J. S., Sr. *a* 347 wH.  
 Ferguson, R., Sr. *a* 422 B.  
 Ferguson, W., Fr. *a* 516 George st.  
 Fernanders, B. M., Res. Lic. *d*  
 Ferris, C., *i m* 45 Foote st.  
 Ferris, G. W., *f* 404 Crown st.  
 Ferris, H. B., *Prof.* 118 York st.  
 Ferry, F. F., Sr. *a* 45 v.  
 Ferry, J. F., Jr. *s* 111 Grove st.  
 Ferry, Mansfield, Fr. *a* 547 P.  
 Ferry, Montague, Jr. *s* 111 Grove st.  
 Fessenden, A., Mid. *l* 18 Cassius st.  
 Ficke, T. H., Mid. *l* 37 Lynwood st.  
 Field, C. W., Sr. *m* 333 York st.  
 Field, F. E., Sr. *a* 122 N.  
 Field, G. W., *g* A.  
 Field, H. M., Sr. *a* 211 D.  
 Fields, W. R., *i m* 112 Asylum st.  
 Finch, M. A., Fr. *s* 411 Temple st.  
 Finckle, W. M., Jr. *s* 133 College st.  
 Findley, J. A., Jr. *a* 128 High st.  
 Finnegan, G. J., Sr. *l* 1151 Chapel st.  
 Fish, L. B., Jr. *s* 68 William st.  
 Fisher, C. E., Jr. *a* 20 Whalley av.  
 Fisher, C. F., Sr. *d* 39 E. D.  
 Fisher, E. H., Spec. *s* 22 College st.  
 Fisher, G. P., *Prof.* (9 E. D.)  
 Fisher, H. W., Mid. *l* 27 Hillhouse av.  
 Fisher, I., *Prof.* 166 York st.  
 Fisher, I. L., Sr. *a* A.  
 Fiske, J. L., Jr. *a* 93 S. M.  
 Fitch, F. T., *i m* 1010 Chapel st.  
 Fitch, M. C., Fr. *a* 388 Crown st.  
 FitzGerald, E., So. *a* 570 P.  
 126 N.

- Fitzgerald, E. H., Fr. a 244 Grand av.  
 Flannery, W. J., Sr. m 138 Columbus av.  
 Fleming, A. S., So. a 1151 Chapel st.  
 Fletcher, R. S., Jr. a 368 WH.  
 Flint, H. M., Jr. a 123 N.  
 Flint, J. I., Jr. l Fairfield  
 Flora, C. P., So. a 126 N.  
 Fluhrer, M., Fr. a 250 York st.  
 Flynn, D. A., i m Bridgeport  
 Flynn, J. F., g 166 York st.  
 Flynn, L. J., Sr. l 297 Crown st.  
 Fogarty, T. A., Fr. s 264 Blatchley av.  
 Fogelberg, J., g 59 Prospect st.  
 Foley, A. G., mus. Silver Lane  
 Foley, E. H., g 84 Wall st.  
 Follett, A. G., Sr. s 22 Whalley av.  
 Foote, H. L., So. a 19 Howe st.  
 Foote, S. T., So. a 22 College st.  
 Forbes, C. B., mus. E. Haven  
 Ford, W. E., g 16 Lynwood st.  
 Fosburgh, J. B. A., Spec. s 111 Grove st.  
 Foster, A. K., g 108 High st.  
 Foster, C. A., Jr. s 131 Grove st.  
 Foster, C. R., So. a 404 Crown st.  
 Foster, I. G., g 220 Orange st.  
 Foster, J. P. C., Instr. 109 College st.  
 Foster, P. B., Fr. a 217 D.  
 Foster, R., Lecturer 79 W. 54th st., N. Y. City  
 Foster, W. F., Ass't. Prof. 204 Prospect st.  
 Foster, W. L., Sr. a 183 LYC.  
 Foulks, J. A., Jr. s 96 Wall st.  
 Fowler, C. R., g 308 Humphrey st.  
 Fowler, F. H. B., g 308 Humphrey st.  
 Fowler, J. I., Fr. a 1076 Chapel st.  
 Fox, A., Fr. a 557 P.  
 Fox, A. G., Sr. a 59 v.  
 Fox, C. J., Mid. l 58 Sylvan av.  
 Fox, E. L., So. a 394 B.  
 Fox, G. L., Lecturer 7 College st.  
 Francis, C. B., So. a 129 F.  
 Francis, C. D., So. a 99 N.  
 Francis, D. R., Sr. a 318 W.  
 Francis, N. R., So. a 99 N.  
 Franklin, T. E., Sr. a 342 WH.  
 Frederick, C. H., Sr. a 80 s. M.  
 Freeman, J. R., Fr. a 120 College st.  
 French, H. D., Sr. d 33 E. D.  
 Frew, W., Fr. a 250 York st.  
 Frisbie, E. W., So. a 174 F.  
 Frisbie, L. W., Fr. a 268 L.  
 Frisbie, W. S., Jr. s 333 York st.  
 Fuller, H. B., Sr. a 403 B.  
 Fuller, H. G., Jr. s 132 Wall st.  
 Fuller, L. P., Jr. l 598 P.  
 Fulton, L. E., Jr. a 349 WH.  
 Fulton, W. H., Sr. s 132 Columbus av.  
 Fulton, W. S., Fr. a 298 W.  
 Fulton-Phizenmayer, C. A., Mid. l 1151 Chapel st.  
 Furst, A. S., Fr. a 578 P.  
 Gager, E. B., Instr. Derby  
 Gaines, J. M., Ass't. 530 P.  
 Gaines, T. J., Fr. a 1076 Chapel st.  
 Gale, A. S., g 123 W. D.  
 Gallagher, E., f 13 University pl.  
 Gallaudet, E. F., Instr. 53 v.  
 Galpin, H. L., So. a 333 WH.  
 Gammack, A. J., g 228 Whalley av.  
 Gans, J., Fr. a 563 P.  
 Gard, A., Jr. s 109 Wall st.  
 Gardner, S. W., Jr. a 286 W.  
 Garnsey, W. S., So. a 590 P.  
 Garrett, W. T., So. a 281 L.  
 Garrity, B. J., mus. Southington  
 Garvin, A. H., i m 138 York st.  
 Garvan, J. S., So. a 22 College st.  
 Gast, R. S., So. a 234 D.  
 Gause, H. C., g 86 Wall st.  
 Gay, L. L., Jr. s 138 College st.  
 Gaylord, T. G., Jr. l 238 York st.  
 Gaynor, F. A., Jr. l Bridgeport  
 Geis, S. W., g 83 Sachem st.  
 Geiser, K. F., Ass't. 27 Sylvan av.  
 Gentry, C. M. C., Jr. l 351 Crown st.  
 Gentry, R. H., Fr. s 409 Temple st.  
 Gherini, A., Jr. l 114 Olive st.  
 Gibbons, L. W., Fr. s 407 Temple st.  
 Gibbs, J. W., Prof. (Sloane Lab.) 121 High st.  
 Gibner, H. C., i m Bridgeport  
 Gibson, P. J., Jr. s 17 Hillhouse av.  
 Gibson, R. B., Fr. s 18 Trumbull st.  
 Gifford, H. V., Sr. s 96 Wall st.  
 Gilbert, F. C., Fr. a 155 Elm st.  
 Gilbert, G. B., Fr. a 71 Lake pl.  
 Gilbert, H., Jr. s 1 Hillhouse av.  
 Gilbert, H. A., Jr. s 224 Oak pl.  
 Gilbert, H. C., Ass't. (LIBR.) 22 Whalley av.



- Gilbert, P. T., Jr. *a* 224 Oak pl.  
 Gile, A. L., Mid. *l* 1151 Chapel st.  
 Gillespie, E. L., Fr. *a* 293 York st.  
 Gillespie, W. F., Sr. *a* 101 N.  
 Gillett, R. H., Sr. *s* 96 Wall st.  
 Gillette, G. W. F., *g* A.  
 Gilliam, W., *g* 25 High st.  
 Gilpatrick, R. H., Jr. *a* 212 D.  
 Gilson, J. L., Jr. *l* Bridgeport  
 Gladding, F. W., Sr. *a* 1010 Chapel st.  
 Gleason, A. H., Jr. *a* 286 w.  
 Gleason, C. J., Sr. *a* 19 Sylvan av.  
 Gleason, J. E., Sr. *a* 380 wh.  
 Gleason, W. W., Fr. *a* 580 P.  
 Glynn, D. L., 2 *m* 1173 Chapel st.  
 Goddard, I., Fr. *a* 9 Library st.  
 Goddard, R. H. I., So. *a* 324 w.  
 Godfrey, W. B., So. *a* 1151 Chapel st.  
*Gooch, F. A., Prof.*  
 (Kent Lab.) 169 Edwards st.  
*Goodell, T. D., Prof.*  
 35 Edgehill Road  
 Goodman, J. H., *g* 11 Home pl.  
 Goodwin, B., Spec. *l* 119 Wall st.  
 Goodwin, F. S., Fr. *a* 383 B.  
 Goodwin, J. L., So. *a* 214 D.  
 Gordon, C. R., Jr. *s* 17 Hillhouse av.  
 Goss, G. A., Fr. *a* 1076 Chapel st.  
 Gott, P. V., So. *a* 535 P.  
 Gould, C., So. *a* 384 B.  
 Gould, J. A., Fr. *s* 393 Temple st.  
 Gould, M. P., Sr. *a* 104 N.  
 Gould, R. H., Sr. *l* Bridgeport  
 Gowen, B. S., Jr. *a* 130 Howe st.  
 Graeber, L. F., *mus.* Meriden  
 Grammer, N., Jr. *s* 96 Wall st.  
 Granbery, E. C., So. *a* 22 College st.  
 Granniss, R. A., Fr. *a* 1076 Chapel st.  
*Granville, W. A., Instr.*  
 (46 N. S. H.) 7½ Eld st.  
 Gravatt, T. E., *g* 73 Lake pl.  
 Graves, A. H., Sr. *a* 357 wh.  
 Graves, E. R., Mid. *d* 80 w. D.  
 Gray, H., 1 *m.* 315 York st.  
 Gray, H. S., Jr. *a* 295 York st.  
 Green, C. D., Fr. *a* 553 P.  
 Green, Geo., Sr. *a* 40 v.  
*Green, Gervase, Instr.*  
 136 Sherman av.  
 Green, I. R., Fr. *s* 133 Wall st.  
 Greenbaum, B. L., Fr. *s* 401 George st.  
 Greene, C., Jr. *a* 294 w.  
*Greene, C. A., Proctor* 571 P.  
 Greene, E. B., Sr. *a* 21 v.  
 Greene, E. C., Sr. *a* 105 N.  
 Greene, H. G., Fr. *a* 269 L.  
 Greene, I. B., Fr. *s* 128 Wall st.  
 Greenhalgh, G. P., Jr. *a* 294 w.  
 Greenough, C. E., Fr. *s* 387 Temple st.  
 Greenway, J. C., Sr. *a* 340 wh.  
*Gregory, H. E., Instr.* 55 N. S. H.  
 Gregory, J. F., Mid. *d* 32 E. D.  
 Gregory, J. L., *g* A.  
 Gridley, J. S., *mus.* Southington  
 Griffin, H. F., Fr. *a* 250 York st.  
 Griffin, N. L., Sr. *m* 383 George st.  
 Griffing, R. P., So. *a* 1076 Chapel st.  
 Griffiths, A. L., Jr. *a* 97 N.  
 Griswold, F. P., So. *a* 21 E. D.  
 Griswold, M., *g* A.  
 Griswold, R. W., Fr. *s* 104 Wall st.  
 Grosvenor, J. P., Jr. *a* 151 P.  
*Gruener, G., Prof.* (276 L.)  
 522 Howard av.  
*Gruener, H. R., Ass't.* (LIBR.)  
 522 Howard av.  
 Gruner, O. H., Fr. *a* 238 York st.  
 Gude, A. V., Sr. *s* 120 College st.  
 Guernsey, R. G., So. *s* 159 P.  
 Gurney, S., Jr. *m* 383 George st.  
 Gussman, M. H., *f* 568 Chapel st.  
 Guthrie, G. D., Jr. *s* 133 College st.  
 Haas, J. G., Fr. *a* 1151 Chapel st.  
 Haberland, J. H., 2 *m* 120 York st.  
 Hackett, H. H. Sr. *a* 6 v.  
 Hackett, J. F., Fr. *a* Meriden  
*Hadley, A. T., Pres.* (6 TR.)  
 93 Whitney av.  
 Haigh, A. W., Sr. *l* 77 w. D.  
 Haight, F. R., Jr. *a* 410 Winthrop av.  
 Haight, L. M., *mus.* Foxon  
 Haines, W. P., So. *a* 250 Crown st.  
 Hale, F. E., Sr. *a* 130 P.  
 Hale, P. T. W., Sr. *s* 146 Bradley st.  
 Hall, A. B., So. *a* 281 L.  
 Hall, E., *mus.* Wallingford  
 Hall, F. J., *g* A.  
 Hall, J. R., So. *a* 22 College st.  
 Hall, L. B., So. *a* 218 D.  
 Hall, P. T., Jr. *s* 1 Hillhouse av.  
 Hall, R. E. B., Jr. *a* 316 w.  
 Hall, R. W., Ass't. 48 N. S. H.

- Hall, T. H., Jr. *s* 111 Grove st.  
 Hall, W. E., Sr. *s* 17 Hillhouse av.  
 Hall, W. H., Fr. *s* 209 Orchard st.  
 Hallen, E. F., Spec. *l* Bridgeport  
 Hamilton, E. W., Fr. *s* 29 Warren st.  
 Hamilton, F. W., 2 *m* 333 York st.  
 Hamilton, W. F., Jr. *a* 131 Washington st.  
 Hamlin, C. J., Fr. *a* 248 York st.  
 Hamlin, E. F., Sr. *m* 391 Crown st.  
 Hamlin, H. S., Fr. *s* 391 Temple st.  
 Hamlin, H. W., So. *a* 330 w.  
 Hamlin, W. R., Sr. *a* 422 B.  
 Hammond, J. L., So. *a* 18 College st.  
 Hammond, S. M., Ass't. 105 College st.  
 Hance, W., So. *a* 58 w. D.  
 Hand, C. W. H., Ass't. (GYMN.) 158 York st.  
 Hanford, G. A., Ass't. 276 Elm st.  
 Hansl, P. W., Jr. *a* 1151 Chapel st.  
 Hardy, G. B., Fr. *a* 313 York st.  
 Hardy, G. W., Jr. *l* 59 Prospect st.  
 Harger, J. C., Ass't. (LIBR.) 14 University pl.  
 Hargis, R. R., Fr. *a* 1151 Chapel st.  
 Hargrave, N. H., Fr. *s* 397 Temple st.  
 Hargrove, H. L., *g* 84 Bishop st.  
 Hargrove, P. S., Sr. *a* 421 B.  
 Harmar, J., *g* A.  
 Harmount, W. L., Fr. *a* 238 Orchard st.  
 Harriman, C. H., Instr. 818 Chapel st.  
 Harris, F. G., Jr. *a* 283 w.  
 Harris, M. A., *g* 22 Lynwood st.  
 Harrison, A. G., Jr. *l* 94 Crown st.  
 Harrison, B. E., *f* Wallingford  
 Harrison, Francis B., *g* A.  
 Harrison, Fred'k B., *g* 83 Grove st.  
 Harström, C. A., *g* Norwalk  
 Hart, A. L., Fr. *a* 572 P.  
 Hart, B., Fellow New Haven  
 Hart, C. E., *f* 83 Grove st.  
 Hart, H., Jr. *l* 113 Wolcott st.  
 Hart, J. B., So. *a* 43 College st.  
 Hart, J. H., Ass't. (Sloane Lab'y.) 43 College st.  
 Hartjen, H. F., Fr. *a* 139 York st.  
 Hartmann, W. T., Sr. *s* 113 Wall st.  
 Hartridge, J., Fr. *a* 242 York st.  
 Hartwell, J. B., Sr. *a* 317 w.  
 Harvey, W. V., Fr. *s* 110 Wall st.  
 Haskell, W., Sup't. (Reading Room) 96 Dwight st.  
 Hastings, C. S., Prof. (120 WINCH.) 248 Bradley st.  
 Hastings, K. P., *f* 248 Bradley st.  
 Hastings, W. S., So. *a* 156 P.  
 Hathaway, C. M., *g* 36 E. D.  
 Hathaway, D. G. J., Mid. *l* 333 York st.  
 Hausberg, E., Jr. *a* 277 L.  
 Hauser, O. S., Jr. *s* 94 Lake pl.  
 Havemeyer, F. C., Sr. *a* 37 v.  
 Havemeyer, H. O., So. *a* 20 v.  
 Hawkes, H. E., Instr. 391 Edgewood av.  
 Hawkins, C. J., Res. Lic. *d* 101 Humphrey st.  
 Hawkins, R. H., Sr. *s* 17 Hillhouse av.  
 Hawks, M. F., Fr. *a* 583 P.  
 Hawley, B., Fr. *a* 217 York st.  
 Hawley, E. R., *mus.* Huntington  
 Hay, S., Spec. *s* 131 Grove st.  
 Hayashi, T., Mid. *l* 363 Crown st.  
 Hayes, P. H., Sr. *a* 104 N.  
 Hayes, W. H., Res. Lic. *d* 43 E. D.  
 Hazard, R., Fr. *a* 568 P.  
 Hazen, W., *g* 103 w. D.  
 Healy, H. W., Jr. *a* 111 N.  
 Heaton, H., Sr. *a* 160 P.  
 Heaton, L., So. *a* 214 D.  
 Heaton, W. W., *g* A.  
 Hedge, L. C., Sr. *a* 59 v.  
 Hedges, S. F., Fr. *a* 1098 Chapel st.  
 Heermance, E. L., Mid. *l* 100 w. D.  
 Heermance, T. W., Instr. 399 B.  
 Hefferan, T. W., Sr. *a* 343 WH.  
 Heinz, H. C., Sr. *a* 62 v.  
 Heller, E. W., Sr. *s* 117 Wall st.  
 Hemenway, L. E., Jr. *a* 210 D.  
 Henderson, A., Jr. *l* 1044 Chapel st.  
 Hendrick, C. B., *mus.* 62 Clark st.  
 Hendrick, M. L., *f* West Haven  
 Hendryx, N. W., Fr. *s* 82 Wall st.  
 Hengerer, L., Jr. *s* 124 Wall st.  
 Henry B., Sr. *a* 7 v.  
 Henry, G. G., Jr. *a* 348 WH.  
 Henze, C. W., Sr. *m* 131 West st.  
 Herman, C. A., Jr. *l* 333 York st.  
 Herrick, W. W., So. *a* 599 P.

- Hess, J. S., Fr. *a* 415 B.  
 Hess, W. M., Sr. *d* 333 York st.  
 Hessler, H. P., 2 *m* 898 State st.  
 Hetrick, H. S., Jr. *a* 128 N.  
 Hewes, L. I., *g* 105 Park st.  
 Hewett, G. A., So. *a* 22 College st.  
 Hewitt, B., Fr. *a* 250 York st.  
 Hewitt, M. C., *g* 65 Dixwell av.  
 Hewitt, T. B., So. *a* 162 F.  
 Hickey, T. F., Mid. *l* 144 Park st.  
 Hickok, C. N., Jr. *s* 131 Grove st.  
 Hicks, W. M., Fr. *s* 110 Wall st.  
 Higgins, G. S., Jr. *m* 1157 Chapel st.  
 Higgins, J. C., So. *a* 229 D.  
 Higgins, O. T., So. *a* 163 F.  
 Higgins, W. A., So. *a* 122 N.  
 Higgins, W. M., 2 *m* 233 York st.  
 Hileman, A., Fr. *a* 34 Hillhouse av.  
 Hill, A. R., So. *a* 373 Crown st.  
 Hill, E. B., Sr. *a* 10 v.  
 Hill, F. H., Res. Lic. *d* 24 Foote st.  
 Hill, J. A., Fr. *s* 285 York st.  
 Hill, T. E., Fr. *a* 34 Day st.  
 Hillard J., Mid. *l* 90 Whalley av.  
 Hills, W. B., Sr. *a* 80 s. m.  
 Hinckley, D. R., Ass't. 35 College st.  
 Hinckley, G. L., Sr. *a* 412 B.  
 Hine, C. P., Mid. *l* 90 Whalley av.  
 Hine, L. J., *mus.* 587 State st.  
 Hindley, C. T., Fr. *s* 110 Wall st.  
 Hines, B. F., Fr. *s* 59 Prospect st.  
 Hinton, R. T., Sr. *a* 237 York st.  
 Hirsh, A. M., Jr. *a* 348 WH.  
 Hitchcock, C., Fr. *a* 552 P.  
 Hitchcock, C. M., *g* 34 Hillhouse av.  
 Hitchcock, H. M., Fr. *a* 544 P.  
 Hitchcock, J. L., *g* A.  
 Hitner, G. W., So. *a* 525 P.  
 Hitt, R. R., *g* A.  
 Hitt, W. R., Jr. *a* 50 v.  
 Hixon, R. B., Jr. *a* 313 w.  
 Hochstadter, L. A., Sr. *a* 5 v.  
 Hogan, T. N., Fr. *a* 35 Lynwood st.  
 Holbrook, C. S., Fr. *a* 134 Howe st.  
 Holbrook, R. T., Tutor 57 Edgehill Road  
 Holbrook, S. M., *f* 1051 Chapel st.  
 Holden, E. K., *g* Bridgeport  
 Holden, F. A., Res. Lic. *d* Morris  
 Holden, F. P., Jr. *s* Meriden  
 Holland, J. A., Sr. *s* 99 Wall st.  
 Hollister, G. C., *g* A.  
 Holloway, W. H., Sr. *d* 43 E. D.  
 Holmes, L. S., Jr. *a* 284 w.  
 Holt, H. C., Fr. *a* 569 P.  
 Holt, L. H., So. *a* 585 P.  
 Hood, F., *g* 47 Lake pl.  
 Hooker, D. R., *g* 436 Orange st.  
 Hooker, H. S., So. *a* 280 L.  
 Hooker, T., Fr. *a* 293 w.  
 Hooker, W. B., So. *a* 410 B.  
 Hooper, S. U., Fr. *a* 269 L.  
 Hopkins, C. S., So. *a* 22 College st.  
 Hopkins, E. W., Prof. 235 Bishop st.  
 Hopkins, J. M., Sr. *a* 341 WH.  
 Hoppin, G. B., *g* A.  
 Hoppin, J. M., Prof. 47 Hillhouse av.  
 Hoppin, W. W., Jr. *a* 310 w.  
 Hord, J. H., Jr. *a* 178 LVC.  
 Horvei, J. J., Jr. *d* 53 E. D.  
 Hosley, R. M., Sr. *s* 20 Clark st.  
 Hotchkiss, A. S., Stenographer (6 TR.) 136 Sherman av.  
 Hotchkiss, F. E., Supt. (4 Phelps) 104 High st.  
 Hotchkiss, H. F., Jr. *s* 94 Olive st.  
 Hotchkiss, H. S., Sr. *s* 133 College st.  
 Houghteling, F. S., Fr. *a* 250 York st.  
 House, E. J., Sr. *s* 117 Wall st.  
 Housel, L. W., Sr. *l* 25 Home pl.  
 Howard, J. J., Fr. *s* 161 Saltonstall av.  
 Howard, L. A., Fr. *a* East Haven  
 Howe, P. M., So. *a* 41 High st.  
 Howe, S. H., So. *a* 157 F.  
 Howe, W. B., Jr. *a* 238 D.  
 Howe, W. D., Jr. *a* 236 D.  
 Howell, J. W., Fr. *s* 389 Temple st.  
 Howell, T. A., Sr. *a* 318 w.  
 Howes, A. F., *f* Bridgeport  
 Howes, C. H., Sr. *a* 392 B.  
 Howland, H. E., Fellow 14 W. 9th st., N. Y. City.  
 Hoysradt, W., Jr. *a* 295 w.  
 Hoyt, A. C., Fr. *s* 425 Temple st.  
 Hubbard, A. K., Jr. *s* 60 York sq.  
 Hubbard, L. E., Sr. *l* 89 Bristol st.  
 Hubbard, W. B., Jr. *s* 40 Lake pl.  
 Hubbell, C. M., *g* 409 Orange st.  
 Hubbell, George W., Sr. *a* 8 v.  
 Hubbell, Grace W., *g* 409 Orange st.

- Hubbell, H. M., So. *a* 12 Univ. pl.  
 Hubbell, J. W., So. *a* 155 Elm st.  
 Huddy, X. P., Mid. *l* 342 George st.  
 Hudson, B. T., So. *a* 1151 Chapel st.  
 Hughes, F. G., Sr. *s* Bridgeport  
 Hughes, J. J., So. *a* 349 Howard av.  
 Hughes, J. S., Mid. *l* 28 Wall st.  
 Hughes, L. M., Fr. *s* 397 Temple st.  
 Hugo, J. G., 2 *m* 1245 State st.  
 Hull, A. J., Jr. *l* 318 Orange st.  
 Hull, E. I., *f* 268 Exchange st.  
 Hull, G. H., So. *a* 18 College st.  
 Hull, N. C., Fr. *a* 250 York st.  
 Hulst, C. P., Sr. *a* 52 v.  
 Humbird, J. C., Jr. *s* 77 Wall st.  
 Hume, R. E., *g* 24 Home pl.  
 Humiston, H. D., So. *a* 208 Canner st.  
 Hunker, J. B. M., Sr. *s* 119 Wall st.  
 Hunt, A., *g* 83 Grove st.  
 Hunt, E. W., Fr. *s* 96 Wall st.  
 Hunt, H. T., Sr. *a* 227 D.  
 Hunt, L., Fr. *s* 22 College st.  
 Hunt, R. A., Fr. *a* 562 P.  
 Hunt, W. S., Jr. *a* 204 D.  
 Hunter, G. S., 1 *m* 122 Wall st.  
 Hunter, J. R., So. *a* 282 L.  
 Hunting, H. B., Jr. *a* 114 N.  
 Hurst, G. S., Fr. *a* Franklin st.  
 Huselton, N. R., Sr. *s* 103 Wall st.  
*Hutchins, A. E. Ass't. LIBR.*  
 Hutchins, W. H., Jr. *a* 82 s. M.  
 Hutchinson, E. L. H., Jr. *a* 83 s. M.  
 Hutchinson, R. E., Sr. *a* 328 w.  
 Hutton, F. L., Sr. *l* 1151 Chapel st.  
 Hyatt, R. B., Fr. *a* Meriden  
 Hyde, A. B., Mid. *d* 41 E. D.  
 Hyde, A. W., So. *a* 140 F.  
 Hyde, J., Jr. *d* 26 E. D.  
 Hyde, W. A., Jr. *s* 52 E. D.  
 Hynes, T. V., Sr. *m* S. Meriden  
 Iddings, L. L., *g* Orange  
*Ingersoll, J. W. D., Ass't. Prof.*  
 Ingham, C. S., Tutor (213 D.)  
 Ingham, C. S., 203 Lawrence st.  
 Ingham, H. M., *g* A.  
 Ingraham, C. B., Fr. *s* 128 High st.  
 Inman, F. C., Fr. *s* 389 Temple st.  
 Inman, J. H., Sr. *s* 133 College st.  
 Ireland, J. D., Sr. *s* 131 Grove st.  
 Irvine, A. T., Res. Lic. *d* 247 Lexington av.  
 Irvine, W. L., Fr. *a* 103 Park st.  
 Irwin, W. P., Sr. *s* 111 Grove st.  
 Isbell, E. L., Sr. *l* 37 Lynwood st.  
 Ives, E. B., 1 *m* 256 State st.  
 Ives, E. L., Sr. *s* 117 Wall st.  
 Ives, J. W., Sr. *m* 88 Park st.  
 Jackson, C. W., Mid. *d* Montowese  
 Jackson, F. F. W., So. *a* 272 L.  
*Jackson, H. C., Ass't.*  
 2 Hillhouse av.  
 Jackson, W. H., Mid. *l* 554 P.  
 Jacoby, L. R., Fr. *s* 119 Wall st.  
 James, D. L., So. *a* 1079 Chapel st.  
 James, Heberd, Fr. *a* 521 P.  
 James, Henry, Fr. *a* 549 P.  
 Jamieson, G. S., Jr. *s* Bridgeport  
 Janes, J. F., Fr. *s* 419 Temple st.  
 Jaques, L. T., Sr. *s* 113 Wall st.  
 Jarman, F. T., Fr. *s* 333 York st.  
 Jarvis, W. S., Jr. *a* 203 D.  
 Jeffcott, E. W., Fr. *s* 102 York sq.  
 Jefferson, F. W., So. *a* 22 College st.  
 Jelke, F. F., Fr. *s* 110 Wall st.  
 Jenkins, H., Sr. *a* 354 wH.  
 Jenney, H. R., Sr. *a* 334 wH.  
 Jennings, D. C., Sr. *a* 306 w.  
 Jennings, R. G., Fr. *a* 250 York st.  
 Jente, A. H., Fr. *s* 97 Bristol st.  
 Jente, P. J. H., Fr. *s* 97 Bristol st.  
 Jente, W. J. E., *g* 97 Bristol st.  
*Jepson, H. B., Ass't. Prof. (4 TR.)*  
 52 Howe st.  
 Johnson, B., Sr. *a* 305 w.  
 Johnson, B. H., Jr. *s* 8 Prospect pl.  
*Johnson, C. W. L., Instr.* 399 B.  
 Johnson, F. B., *g* A.  
*Johnson, G. A., Ass't. (LIBR.)*  
 186 Bradley st.  
 Johnson, G. R., Sr. *s* 113 Wall st.  
 Johnson, H. O., Sr. *a* 116 N.  
 Johnson, N. C., Jr. *s* 132 Wall st.  
 Johnson, O. M., Sr. *a* 300 w.  
 Johnson, P. B. A., Jr. *a* 592 P.  
 Johnson, S., So. *a* 18 College st.  
*Johnson, S. W., Prof.*  
 54 Trumbull st.  
*Johnson, T. B., Ass't.* 141 College st.  
 Johnson, T. R., 1 *m* 1142 Chapel st.  
 Johnson, W. B., Sr. *l* 64 High st.  
 Johnson, W. Savage, Sr. *a* 404 B.

- Johnson, W. Smythe, *g* 47 Lake pl.  
 Johnston, D. K., *Fr. a* 173 F.  
 Johnston, F. A., *Fr. a* 223 York st.  
 Johnston, L. M., *So. a* 68 Mechanic st.  
 Johnston, W. P., *Fr. a* 313 York st.  
 Jones, C., *Sr. a* 79 s. m.  
 Jones, E. A., *So. a* 1157 Chapel st.  
 Jones, E. C., *g* 84 William st.  
 Jones, E. L., *Jr. a* 289 w.  
 Jones, G., *Sr. d* 17 E. D.  
 Jones, G. R., *Jr. l* 270 Crown st.  
 Jones, H. A., *Mid. l* 137 Dwight st.  
 Jones, H. M., *Jr. s* 103 Wall st.  
 Jones, J. H., *Fr. a* 1075 Chapel st.  
 Jones, N. R., *Fr. a* 219 York st.  
 Jones, P., *So. a* 228 D.  
 Jones, W. A., *Fr. s* 82 Wooster st.  
 Jones, W. M., *Sr. a* 96 s. m.  
 Jordan, M. C., *f* 181 Whalley av.  
 Jordan, R. H., *A.*  
 Joy, J. W., *Jr. a* 76 s. m.  
 Judd, H. F., *Jr. a* 210 D.  
 Judd, M. N., *Fr. s* 411 Temple st.  
 Kairiyama, T., *g* 49 E. D.  
 Kawabe, J., *g* 115 Dwight st.  
 Keach, J. E., *Sr. a* 105 N.  
 Keane, R. B., *2 m* Bridgeport  
 Kearney, R. S., *Mid. l* 49 Court st.  
 Keator, F. R., *So. a* 237 D.  
 Kedzie, A. S., *g* 495 Elm st.  
 Keeney, R. G., *Sr. a* 4 v.  
 Kehr, H. T., *Jr. s* 16 Park st.  
 Keller, A. G., *Ass't.* 270 Edgewood av.  
 Kellogg, C. A., *Sr. a* 159 Elm st.  
 Kellogg, C. W., *Instr.* 233 York st.  
 Kellogg, F. S., *Jr. a* 219 D.  
 Kellogg, G. D., *g* Rome  
 Kellogg, L. L., *Jr. a* 58 v.  
 Kellogg, R. M., *Jr. s* 109 Edwards st.  
 Kellum, M. D., *g* 35 Lynwood st.  
 Kelly, E. H., *Jr. l* New Britain  
 Kelly, H. C., *Fr. a* 209 Norton st.  
 Kelly, T., *Sr. s* 133 College st.  
 Kelly, W. E., *1 m* 10 Ashmun st.  
 Kempner, D., *Sr. l* 151 Bradley st.  
 Kennedy, D. E., *Fr. a* 7 Library st.  
 Kennedy, F., *Sr. a* 1044 Chapel st.  
 Kennett, F. J., *Sr. s* 103 Wall st.  
 Kent, A. E., *g* A.  
 Kent, F. S., *Fr. a* 536 P.  
 Keogh, A., *Librarian* 120 High st.  
 Keppelman, J. A., *Jr. a* 28 v.  
 Kerr, R. W., *1 m* 333 York st.  
 Kiefer, C. P., *Jr. l* 22 College st.  
 Kilbourn, J. B., *Fr. a* 219 York st.  
 Kilbourn, M., *mus.* 16 Gill st.  
 Killen, A. H., *Jr. a* 366 w. h.  
 Kimball, D. B., *Fr. a* 1151 Chapel st.  
 Kimball, J. C., *So. a* 69 v.  
 Kimura, R., *Sr. l* 409 Orange st.  
 King, H. W., *Jr. a* 123 N.  
 King, P. W. R., *Jr. s* 110 Wall st.  
 Kingman, E. A., *Fr. a* 536 P.  
 Kingman, L. C., *Sr. a* 373 w. h.  
 Kingsley, Ranulph, *Jr. a* 138 F.  
 Kingsley, Rolfe, *Fr. s* 104 Wall st.  
 Kinney, A. H., *So. a* 208 Whalley av.  
 Kinney, F. J., *Sr. l* Branford  
 Kinney, J. N., *Fr. a* 586 P.  
 Kinoseta, Y., *g* 277 Crown st.  
 Kip, G. B., *Jr. a* 67 v.  
 Kirtland, L. S., *Fr. a* 116 High st.  
 Kitchel, C. L., *Instr.* 253 Lawrence st.  
 Kitchel, C. P., *Mid. l* 27 High st.  
 Kittle, A. I., *Sr. a* 18 v.  
 Kline, C. M., *Jr. s* 133 College st.  
 Klock, M. C., *Fr. s* 409 Temple st.  
 Klosterman, J. H., *Sr. a* 367 w. h.  
 Knapp, E. S., *So. a* 1151 Chapel st.  
 Knapp, H. H., *Lecturer* Bridgeport  
 Knight, A. P., *Jr. s* 114 High st.  
 Knight, H. S., *Instr.* 32 Pearl st.  
 Knight, J. M., *Jr. s* 492 Blatchley av.  
 Knowlton, E. B., *Sr. s* 111 Grove st.  
 Knox, H. W., *So. a* 22 College st.  
 Knox, I. G., *Sr. a* 6 v.  
 Koenig, E. C., *Fr. s* 88 Lake pl.  
 Kowalewski, V. A., *2 m* 86 2d st.  
 Kraft, E. A., *mus.* 150 Oak st.  
 Kraft, W. J., *mus.* Bristol  
 Krause, E. C., *Jr. m* 26 Ward st.  
 Kreider, D. A., *Instr.* (Sloane Lab.) 208 Lawrence st.  
 Kremenz, W. M., *So. a* 232 D.  
 Kudo, T., *Res. Lic. d* 99 w. D.  
 Kugel, S. H., *Sr. l* 92 Broad st.  
 Kumler, P., *Sr. a* 334 w. h.  
 Kunkel, B. W., *Jr. s* 99 Wall st.  
 Kunzig, P. H., *Mid. l* 554 P.  
 Ladd, G. T., *Prof.* A.  
 LaField, H., *g* A.  
 Lamb, A. R., *Fr. a* 250 York st.  
 Lambert, C. I., *1 m* 43 Whalley av.

- Lambert, D. D., *g* 359 Howard av.  
 Lamontagne, O., Jr. *l* Meriden  
 Lamprecht, W. H., Fr. *s*  
     145 College st.  
 Lancaster, M. P., So. *a* 22 College st.  
 Landers, C. S., Sr. *s* 126 High st.  
 Lane, F. P., *1 m* 1150 Chapel st.  
 Lane, J. E., *2 m* 122 Howe st.  
 Lane, T. T., Fr. *a* 333 York st.  
 Lane, W. R., Sr. *l* 122 Howe st.  
 Lang, H. R., Prof.  
     (244 L.) 137 Wall st.  
 Langley, R. W., Fr. *s*  
     229 Blatchley av.  
 Langley, W. C., Fr. *a* 9 Library st.  
 Langsettel, G. H., Ass't.  
     (Art School) 725 Whitney av.  
 LaPierre, L. F., Jr. *m* 404 Crown st.  
 Lark, C. T., Jr. *l* 327 P.  
 Larson, A. R., Mid. *d* 26 E. D.  
 Larson, J., *g* 149 St. John st.  
 Lassman, A. G., Spec. *m*  
     342 George st.  
 Lathrop, W. G., Res. Lic. *d*  
     North Haven  
 Latimer, C. M., Fr. *a* 30 Beers st.  
 Laubin, F. W., Fr. *s* 405 Temple st.  
 Laud, M. A., *g*  
 Lauder, G., Jr. *s* 117 Wall st.  
 Lavalaye, J. P., *1 m* 370 Congress av.  
 Lawrence, D. B., Jr. *a* 331 W.H.  
 Laws, H. L., So. *a* 169 F.  
 Lay, E. H., *g* A.  
 Lay, W. S., Jr. *m* 560 Winthrop av.  
 Leach, G. S., Fr. *a* 176 F.  
 Leal, H. W., Fr. *s* 86 W. D.  
 Leaman, T. P., Jr. *s* 1 Hillhouse av.  
 Lear, G., So. *a* 156 F.  
 Leary, T. A., Sr. *a* 202 D.  
 Leavell, E. S., So. *a* 159 Elm st.  
 Leavenworth, C. S., Fr. *s*  
     Whitneyville  
 Leavitt, A. D., Sr. *a* 87 S. M.  
 Lee, B. H., So. *a* 146 Lamberton st.  
 Lee, R. R., Jr. *s* 96 Wall st.  
 Leeds, A. R., Sr. *s* 117 Wall st.  
 Lehman, E. H., So. *a* 77 S. M.  
 Leidigh, P. J., Jr. *a* 377 W.H.  
 Leonard, A. M., *g* 30 Academy st.  
 Leonard, G. E., Fr. *a* 569 P.  
 Leston, M. E., *mus* 36 Cassius st.  
 LeValley, H. R., Fr. *a*  
     1151 Chapel st.  
 LeValley, N. W., So. *a* 1151 Chapel st.  
 Leverich, H. S., Jr. *s* 90 Wall st.  
 Levering, R. M., Fr. *s*  
     391 Temple st.  
 Levey, C. B., Jr. *s* 133 College st.  
 Levy, S. S., Sr. *a* 241 L.  
 Lewis, A., *mus*. Plantsville  
 Lewis, C. M., Prof.  
     (133 F.) 158 Whitney av.  
 Lewis, D. P., Fr. *a* 242 York st.  
 Lewis, E. C., Jr. *a* 215 D.  
 Lewis, E. S., *2 m* 219 York st.  
 Lewis, K. L., *mus*. 121 Park st.  
 Lewis, W. C., Jr. *s* 133 College st.  
 Lewisohn, W., Sr. *s* 110 Wall st.  
 L'Hommedieu, C. H., Fr. *a*  
     238 York st.  
 Lincoln, G. G., So. *a* 22 College st.  
 Lincoln, R. A., So. *a* 272 L.  
 Lincoln, R. C., Jr. *s* 132 Wall st.  
 Lindenberg, G. W., So. *a* 406 B.  
 Lindenberg, P., Fr. *a* 1151 Chapel st.  
 Lindengerger, E. H., Jr. *a* 2 V.  
 Lindley, A. F., *2 m* 1161 Chapel st.  
 Lindsley, C. A., Prof. 15 Elm st.  
 Linsly, W. W., Jr. *a* 291 W.  
 Linthicum, P. H., Jr. *a* 311 W.  
 Linxweiler, J. J., Jr. *l* S. Norwalk  
 Lippincott, C. M., Mid. *d* 38 E. D.  
 Lippincott, K. D., Sr. *a* 339 W.H.  
 Littell, C. H., Sr. *s* 99 Wall st.  
 Littlefield, C. W., Fr. *a* 313 York st.  
 Littlejohn, A., *mus*. Norwalk  
 Lobdell, V. P., Sr. *a* 107 N.  
 Locke, J., Instr. 317 Crown st.  
 Lockman, F. I., Sr. *a* 345 W.H.  
 Lockwood, C. D., Sr. *s* 117 Wall st.  
 Lockwood, E. H., Instr.  
     55 Prospect st.  
 Lockwood, F., Fr. *a* 238 York st.  
 Lockwood, H. D., Jr. *m*  
     383 George st.  
 Lockwood, S. O., Fr. *s*  
     1151 Chapel st.  
 Loeb, J. A., Jr. *m* 200 Franklin st.  
 Logan, H., Sr. *a* 387 B.  
 Lombard, J. P., Sr. *a* 301 W.  
 Lombardi, M. E., Sr. *a* 49 V.  
 Londoner, H. W., Jr. *l* 131 High st.  
 Lonergan, A., Jr. *l* 150 College st.  
 Long, A. C., Fr. *a* 363 W.H.  
 Long, J. M., Sr. *a* 24 V.  
 Loomis, H. L., Sr. *s* 96 Wall st.  
 Loomis, H. N., Spec. *s*  
     136 Sherman av.

- Loomis, J. L., Jr. *a* 258 L.  
 Lord, F. A., Sr. *l* 159 Elm st.  
 Lothrop, D. B., Mid. *d* 31 E. D.  
 Lounsbury, B. A. H., Fr. *s* 110 Wall st.  
*Lounsbury, G. E., Fellow Hartford*  
*Lounsbury, T. R., Prof.* 22 Lincoln st.  
 Lovell, G., Sr. *a* 332 WH.  
 Lovell, G. B., Jr. *a* 30 Grove st.  
 Low, B. R. C., So. *a* 22 College st.  
 Low, E. I., So. *a* 22 College st.  
 Lowe, W. I., Instr. 238 Whalley av.  
 Luce, C. F., Sr. *a* 24 v.  
 Lucker, H., Jr. *s* 126 High st.  
 Ludington, A. C., So. *a* 169 F.  
 Ludington, N. A., Jr. *m* 1010 Chapel st.  
*Luquiens, F. B., Instr.* 201 Bishop st.  
 Luquiens, H. M., So. *a* 333 WH.  
 Luther, C. M., Jr. *s* 828 Chapel st.  
 Luther, W. B., So. *a* 132 F.  
 Lutz, A. R., *g* 121 w. d.  
 Lyman, E. W., Grad. *d* Halle  
 Lyman, J. B., Sr. *d* 79 w. d.  
 Lyman, J. L., Sr. *l* 130 Howe st.  
 Lyon, G. A., Sr. *a* 334 WH.  
 Lyon, T. W., *l m* 254 Crown st.  
 Lyon, W. A., Fr. *a* 1151 Chapel st.  
 Lyon, W. L., So. *a* 230 D.  
 Lyons, I. L., Sr. *s* 101 Wall st.  
 Lyons, R., Fr. *a* 293 w.  
 Mabee, G. W., Jr. *s* 96 Wall st.  
 McAlarney, J. H., Fr. *a* 1076 Chapel st.  
 McAlerney, J. H., Jr. *l* 251 Crown st.  
 McAllister, C. N., *g* 33 Lake pl.  
 McAuley, H. S., Jr. *a* 226 D.  
 McAvoy, T. A., So. *a* 116 N.  
 McBride, M. L., Sr. *a* 378 WH.  
*McCabe, E. M., Ass't.* 224 Orange st.  
 McCain, S. H., Sr. *l* 314 Crown st.  
 McCall, J. O., Jr. *a* 400 B.  
 McCallum, H., Grad. *d* 46 E. D.  
 McCandless, T., Sr. *a* 79 S. M.  
 McCann, W. G., Sr. *d* 110 Gilbert av.  
 McCarthy, W. B., Jr. *l* 297 George st.  
 McCartin, G. S., Sr. *a* 372 WH.  
 MacClenahan, F. M., Sr. *a* 130 St. John st.  
 McClintock, H. C., Fr. *a* 600 P.  
 McClure, C. T., Mid. *l* 1057 Whalley av.  
 McClurg, O. T., Jr. *s* 110 Wall st.  
 McConnell, W. J., Sr. *l* 159 Elm st.  
 McCord, C. C., Sr. *s* 111 Grove st.  
 McCord, D., Jr. *a* 277 L.  
 MacCormac, P., Fr. *s* 1151 Chapel st.  
 McCormick, J. M., Sr. *a* 36 v.  
 McCormick, R., Sr. *a* 54 v.  
 McCormick, R. H., Sr. *a* 382 WH.  
 McCormick, R. R., Fr. *a* 564 P.  
 McCreath, L., Fr. *s* 1 Hillhouse av.  
 McCulloch, E., Fr. *a* 176 F.  
*MacCurdy, G. G., Instr.* (9 m.) 33 Wall st.  
 McCutchen, W. M., Sr. *a* 350 WH.  
 Macdonald, G. S., Fr. *s* 128 Wall st.  
 McDonald, I., Fr. *a* 567 P.  
 McDonald, T. D., *g* A.  
*McDonnell, R. A., Instr.* 1142 Chapel st.  
 McDonough, J. P., Fr. *a* 38 Hallock st.  
 MacDougall, L., Mid. *l* 1151 Chapel st.  
 McDowell, H. G., So. *a* 573 P.  
 McDowell, J. C., So. *a* 545 P.  
 McFadon, R. B., Jr. *a* 113 N.  
*Macfarland, C. S., Ass't.* 23 E. D.  
 McGee, R. A., Sr. *s* 133 College st.  
 McGinley, T. A., Jr. *s* 1 Hillhouse av.  
 McGouldrick, E. C., Sr. *a* 119 N.  
 McGouldrick, F. E., So. *a* 91 w. d.  
 McGrath, J. F., Jr. *l* 297 George st.  
 MacHenry, C. A., Grad. *l* 373 Crown st.  
*McIntosh, E. F., Ass't.* 192 York st.  
 McIver, D. Sr. *d* 78 w. d.  
 McKee, D. R., Fr. *a* 248 York st.  
 McKellar, W. C., *l m* Bridgeport  
 McKelvey, C. W., Sr. *a* 347 WH.  
 McKelvy, J. S., So. *a* 278 L.  
 McKenzie, A. L., Sr. *a* 360 WH.  
 Mackenzie, C., Fr. *a* 233 York st.  
 McKesson, D., Fr. *a* 155 Elm st.  
 Mackey, W. C., Sr. *a* 34 v.  
 McKnight, R. L., Fr. *a* 1076 Chapel st.  
 McLane, D. B., Fr. *a* 33 Howe st.  
 McLane, J. F., Sr. *a* 33 Howe st.  
 MacLean, A., Sr. *a* 32 v.

- McLean, C., Jr. *a* 322 w.  
 MacLean, H. C., Fr. *a* 541 P.  
 Macneale, N., Fr. *s* 150 Grove st.  
 McNeirny, F., Jr. *l* 1076 Chapel st.  
 McQueen, A. S., Jr. *m* 11½ Park st.  
 McWilliams, A. F., Fr. *s* 36 Elm st.  
 Maher, T. F., Jr. *m* 133 Nash st.  
 Mahoney, J. G., *l m* 19 Sylvan av.  
 Maize, B. T., Jr. *l* 73 Lake pl.  
 Makepeace, F. B., Jr. *a* 111 N.  
 Makepeace, W. D., Registrar  
 1010 Chapel st.  
 Makino, T., Jr. *d* 120 w. D.  
 Malcolm, W. D., Fr. *s* 33 Bishop st.  
 Malone, W. J., Sr. *l* 36 Hallock st.  
 Maloney, W. R., Sr. *a* 353 wh.  
 Malony, F. F., Jr. *m* 250 York st.  
 Malony, W. P., Sr. *a* 144 F.  
 Maltbie, W. M., Jr. *a* 247 L.  
 Maltby, E. R., *f* 23 Sylvan av.  
 Mandeville, J. N., So. *a* 95 s. M.  
 Manierre, A., Fr. *a* 534 P.  
 Manierre, A. E., So. *a* 535 P.  
 Manierre, L., Jr. *a* 285 w.  
 Mann, P. F., Fr. *a* 540 P.  
 Manship, W. S., *g* S. Meriden  
 Manville, E. B., *mus.* 379 George st.  
 Marble, M. M., *g* 19 Beers st.  
 Marckwald, A. H., Jr. *a* 245 L.  
 Mariani, J. W., Mid. *l* 114 Olive st.  
 Maroney, W. J., Sr. *m* 333 York st.  
 Marr, J. A., Sr. *l* 73 Lake pl.  
 Marsh, E. L., Spec. *s*  
 17 Hillhouse av.  
 Marshall, C. G., Sr. *d* 82 w. D.  
 Marshall, M. L., Fr. *a* 57 w. D.  
 Marshall, W., Jr. *l* 64 Whalley av.  
 Marshall, W. C., Instr.  
 355 Willow st.  
 Martin, H. C., Fr. *s* 333 York st.  
 Marty, S. C., Sr. *a* 332 wh.  
 Marvin, G. A., Mid. *l* 63 w. D.  
 Mason, E. B., Fr. *a* 237 York st.  
 Mason, F. G., Jr. *a* 264 L.  
 Mason, F. T., So. *a* 278 L.  
 Mason, Macdonell, Fr. *a*  
 250 York st.  
 Mason, Maurice, Jr. *a* 178 L.Y.C.  
 Mason, N. H., So. *a* 231 D.  
 Mason, R. M., So. *a*  
 1076 Chapel st.  
 Mather, H. O., So. *a* 216 D.  
 Mathewson, C. H., Fr. *s* Milford  
 Mathison, F. H., *g* Shelton  
 Matson, S., Jr. *l* 119 Park st.  
 Matsumoto, M., Ass't. 109 Elm st.  
 Matsumoto S., *g* 24 Court st.  
 May, G. A., Ass't. GYM.  
 Maynard, A. B., Sr. *s* 131 Grove st.  
 Maynard, F. E., Fr. *s* 110 Wall st.  
 Mazzucca, M., Jr. *d* 158 Wooster st.  
 Mead, H. S., So. *a* 22 College st.  
 Medway, H. E., Sr. *a* 386 B.  
 Meeks, E. V., Jr. *a* 22 College st.  
 Melczer, R. H., Fr. *a*  
 1076 Chapel st.  
 Mellen, G. K., So. *a* 44 College st.  
 Mendel, L. B., Ass't. Prof. (63 B. L.)  
 18 Trumbull st.  
 Menge, G. A., Fr. *s* 20 Carmel st.  
 Menton, M. F., Fr. *s* Derby  
 Merrels, F. B., Sr. *a* 27 v.  
 Merriam, C. W., Mid. *d* 20 E. D.  
 Merriam, H. F., Sr. *s* 101 Wall st.  
 Merrill, H. A., *g* 115 York st.  
 Merrill, P. M., So. *a* 22 College st.  
 Merriman, M. H., Jr. *a* 254 L.  
 Merritt, A. J., Mid. *l* Bridgeport  
 Merritt, A. K., Registrar  
 (135 Elm st.) 267 L.  
 Metzger, W. G., Fr. *a*  
 1151 Chapel st.  
 Meyer, C., So. *a* 95 s. M.  
 Meyer, C. C., So. *a* 22 College st.  
 Meyer, J. E., Fr. *s* 425 Temple st.  
 Meyer, W. E., Jr. *a* 288 w.  
 Mikami, K., *g* 46 E. D.  
 Milbank, D., Sr. *a* 345 wh.  
 Miller, C. D., So. *a* 132 F.  
 Miller, C. G., Jr. *s* 133 College st.  
 Miller, H., Jr. *s* 295 York st.  
 Miller, J. W., Sr. *a* 141 F.  
 Miller, M. P., So. *a* 261 L.  
 Miller, R. B., Sr. *a* 51 v.  
 Miller, R. H., *g* 133 Wall st.  
 Mills, H. E., Fr. *a* 538 P.  
 Mills, J. L., Jr. *a* 178 L.Y.C.  
 Mills, L. A., Fellow Hartford  
 Mills, M., Sr. *a* 39 v.  
 Minasian, M., Sr. *s* 44 Sperry st.  
 Minor, H. C., Fr. *s* 364 Howard av.  
 Minor, J. B., Fr. *a* 586 P.  
 Minor, W. E., Sr. *a* 36 v.  
 Mirick, G. A., *g* 442 George st.  
 Mitchell, C. T., *g* 57 Prospect st.  
 Mitchell, N. E., Jr. *l* 83 Elm st.  
 Mitchell, P. L., Jr. *a* 289 w.  
 Mitchell, R. D., Fr. *s* 391 Temple st.



- Mitchell, S. K., *Ass't.* 90 s. M.  
 Mix, S. V. T., *f* 600 George st.  
 Mixer, W. G., *Prof.* (160 s. L.)  
 144 Edwards st.  
 Miyake, I., *g* 119 Park st.  
 Moffat, D. M., *Fr. a* 313 York st.  
 Mohr, P. M., Jr. *a* 398 B.  
 Montague, T. L., *Sr. s* 96 Wall st.  
 Montgomery, G. R., *Sr. d* 84 w. D.  
 Moodie, W. C., *Fr. a* 25 Lynwood st.  
 Moody, P. D., Jr. *a* 266 L.  
 Moody, R. O., *Ass't.* 1204 Chapel st.  
 Moody, W., *Sr. a* 370 wh.  
 Moore, A. R., *Fr. s* 57 Lake pl.  
 Moore, B., *Prof.* 361 George st.  
 Moore, C. A., *So. a* 22 College st.  
 Moore, E. W., *Sr. d* 35 E. D.  
 Moore, F. W., *Fr. a* 329 w.  
 Moore, H., *Sr. a* 12 v.  
 Moore, J. D., Jr. *m* 223 Grand av.  
 Moore, J. L., *Sr. a* 353 wh.  
 Moore, M., *So. a* 152 F.  
 Moorhead, R. W., *So. a* 261 L.  
 Moran, F. J., *Fr. s* 55 Admiral st.  
 Morey, J. W., *Sr. s* 131 Grove st.  
 Morgan, D. H., *Fr. a* 248 York st.  
 Morgan, J., *Fr. s* 114 High st.  
 Morgan, J. M., *Fr. s* 128 Wall st.  
 Morgan, W. G. D., Jr. *a* 60 v.  
 Morison, B., *So. a* 147 F.  
 Morrell, J. G. D., *Sr. s* 22 College st.  
 Morrill, A. B., *g* 459 Orange st.  
 Morrill, J. P., Jr. *m* 333 York st.  
 Morris, E. P., *Prof.* 53 Edgehill Road  
 Morris, H. E., *So. a* 408 Crown st.  
 Morris, J. C., *g* 1144 Chapel st.  
 Morris, R., Jr. *a* 335 wh.  
 Morris, R. C., *Instr.* 767 5th av., N. Y. City  
 Morse, O. C., *g* A.  
 Morton, S. B., *Sr. a* 144 F.  
 Moser, O. A., 2 m 261 Howard av.  
 Moses, H. L., *Sr. a* 241 L.  
 Moss, B. C., Jr. *s* 128 Wall st.  
 Mott, R., Jr. *a* 398 B.  
 Motter, J. B., *Fr. a* 567 P.  
 Moul, H. S., *Mid. l* 1044 Chapel st.  
 Moulthrop, A. F., *mus.* 620 Orange st.  
 Moulthrop, C. E., *mus.* W. Haven  
 Moulton, E. S., *Ass't.* 223 York st.  
 Moulton, J. R., *Fr. a* 546 P.  
 Moulton, W. J., *Instr.* 13 E. D.  
 Mulford, F. B., *Fr. a* 172 F.  
 Mulford, T. W., Jr. *a* 391 B.  
 Mullally, W. T., *So. a* 231 D.  
 Mullen, A. D., *Fr. a* 433 Howard av.  
 Mullen, G. A., *Sr. l* 1151 Chapel st.  
 Munger, R. L., *Mid. l* Ansonia  
 Munger, T. T., *Fellow* New Haven  
 Munson, C. L., *Lecturer* Williamsport, Pa.  
 Munson, M. J., *f* 389 Whitney av.  
 Munson, W. S., *Fr. a* 313 York st.  
 Murphry, G. G., *So. a* 74 w. D.  
 Murphy, H. K., *g* 85 Sachem st.  
 Murphy, J. K., *g* 85 Sachem st.  
 Murray, G. H., *Sr. s* 54 Garden st.  
 Murray, H. H., *g* A.  
 Murray, L. E., Jr. *l* 314 Crown st.  
 Murray, W. L., 2 m 34 Cedar st.  
 Myers, I. T., *g* 281 Crown st.  
 Myers, L. P., Jr. *s* 111 Grove st.  
 Myers, M. C., *Fr. s* 4 Jefferson st.  
 Mygatt, A. B., Jr. *s* 103 Wall st.  
 Nakaseko, R., *g* 20 Whalley av.  
 Nash, F., *Sr. a* 376 wh.  
 Nathanson, S. J., Jr. *l* 33 York st.  
 Nead, B. F., *Mid. l* 137 Dwight st.  
 Neal, H. C., Jr. *a* 287 w.  
 Neal, R. W., *g* 497 Winthrop av.  
 Neece, J. H., *Mid. l* 137 Dwight st.  
 Nelson, W. H., *Sr. a* 73 s. M.  
 Nesmith, R. H., *Fr. a* 223 D.  
 Nettleton, G. H., *Instr.* 162 s. L.  
 Neumann, J., *mus.* Westville  
 Nevins, F. W., *So. a* 22 College st.  
 Nevins, R. H., Jr. *a* 356 wh.  
 Newcomb, C. S., Jr. *s* 111 Grove st.  
 Newell, A. J., *Fr. s* 90 Wall st.  
 Newell, D. H., *So. a* 215 D.  
 Newhall, A. M., *Fr. a* 238 York st.  
 Newman, S., *So. a* 77 s. M.  
 Newmyer, T. D., *Sr. a* 66 v.  
 Newport, R. M., Jr. *a* 33 v.  
 Ney, P. S., *Fr. a* 298 w.  
 Nichols, F. M., *mus.* Nichols  
 Nichols, H. J., *g* 333 York st.  
 Nichols, J. K., *Fr. a* 588 P.  
 Nichols, W. W., *Instr.* 83 Pearl st.  
 Nicol, J. M., *Sr. d* 93 w. D.  
 Nicoll, M. E., *mus.* 418 George st.  
 Niedecken, J. H., *Sr. a* 379 wh.  
 Niemeyer, J. H., *Prof.* (8 Art School) 284 Orange st.

- Nims, H. E., *g* 344 Elm st.  
 Nims, W. E., *Sr. a* 1010 Chapel st.  
 Nisbet, R. B., *So. a* 313 York st.  
 Nisbet, W. C., *Fr. s* 313 York st.  
 Nixon, W. P., *Fr. a* 313 York st.  
 Nolan, F. P., *Sr. s* Mt. Carmel  
 Norman, E. G., *So. a* 88 s. m.  
 Norman, H. R., *Jr. l* 29 High st.  
 North, H. B., *Jr. s* 1399 Chapel st.  
 Norton, D. S., *Fr. s* 152 Grove st.  
 Norton, E. S., *f* Wallingford  
 Norton, J. P., *g* 549 Orange st.  
 Norton, J. T., *Ass't.* (Kent Lab'y.)  
 90 Whalley av.  
 Norton, R. C., *So. a* 22 College st.  
 Notkins, L. A., *1 m* 252 Cedar st.  
 Noyes, D. C., *Jr. a* 15 E. D.  
 Noyes, G. W., *So. a* 390 B.  
 O'Brien, T. A., *2 m* 230 Oak st.  
 O'Connor, J. E., *Grad. l*  
 419 Temple st.  
 O'Donnell, M. J., *Fr. s* Ansonia  
 Oertel, H., *Ass't. Prof.* (2 Phelps)  
 Ogden, A. T., *Fr. a* 217 D.  
 Ogilvie, J. S., *Jr. s* 17 Hillhouse av.  
 Oglebay, C., *Sr. a* 337 wh.  
 Oglesby, W. D., *Fr. s* 119 Wall st.  
 Oille, J. D., *Spec. s* 8 Prospect pl.  
 Olcott, H. P., *Jr. a* 219 D.  
 Olds, F. A., *Fr. s* 132 Wall st.  
 Oliver, A. K., *Fr. a* 170 York st.  
 Olsen, J., *g* 16 Hughes pl.  
 Olsen, O. N., *g* 16 Hughes pl.  
 Omwake, G. L., *Mid. d* 25 E. D.  
 O'Neill, D. L. J., *Fr. a* 231 York st.  
 Ong, E. W., *Sr. a* 385 B.  
 Opitz, H. M., *Sr. a* 79 s. m.  
 Ordway, C. E., *Sr. a* 211 D.  
 Or lady, F. L., *Fr. a* 1151 Chapel st.  
 Orthwein, W. R., *Fr. a* 9 Library st.  
 Orwig, E. L., *So. a* 74 w. D.  
 Osborn, H. M., *Bursar* (1 Phelps)  
 406 Orange st.  
 Osborn, L. E., *Clerk* (3 s. H.)  
 406 Orange st.  
 Osborne, N., *Sr. d* 90 w. D.  
 Osborne, O. T., *Prof.* 252 York st.  
 Osgood, C. G., *Tutor* 2 University pl.  
 Ostby, E. C., *Fr. a* 584 P.  
 Otis, W. L., *Sr. a* 85 s. m.  
 Overall, J. H., *Fr. s* 393 Temple st.  
 Overlander, C. L., *Spec. s*  
 378 Crown st.  
 Overton, M. E., *Fr. s* 132 Wall st.  
 Owen, C. H., *So. a* 88 s. m.  
 Packer, A. D., *So. a* 533 P.  
 Paddock, B. W., *Sr. a* 3 v.  
 Page, C. A., *mus.* E. Haven  
 Page, C. R., *Sr. a* 337 wh.  
 Page, W. S., *Sr. a* 29 v.  
 Pagter, J. J., *1 m* 133 Dwight st.  
 Palmer, A. H., *Prof.*  
 251 Lawrence st.  
 Palmer, A. R., *Jr. a* 85 w. D.  
 Palmer, C. R., *Fellow* New Haven  
 Palmer, D. C., *Sr. a* 344 wh.  
 Palmer, E. A., *Jr. a* 296 w.  
 Palmer, H. D., *Sr. l* 378 Crown st.  
 Palmer, R. S., *Sr. a* 342 wh.  
 Park, E. A., *Sr. a* 10 v.  
 Parker, C. J., *Sr. s* 99 Wall st.  
 Parker, E. P., *Fellow* Hartford  
 Parker, H. W., *Prof.* (3 TR.)  
 162 Prospect st.  
 Parker, J. A., *Jr. a* 204 D.  
 Parker, M. K., *Jr. a* 240 D.  
 Parker, W. H., *Instr.* 648 Elm st.  
 Parkhurst, G. G., *Fr. a* 250 York st.  
 Parks, R., *Jr. s* 17 Hillhouse av.  
 Parr, G. H., *Fr. a* 395 B.  
 Parshall, M. C., *Sr. s* 109 Wall st.  
 Parsons, G. S., *Fr. a* 415 B.  
 Parsons, H., *g* A.  
 Parsons, H. C., *Fr. s* 295 York st.  
 Parsons, J. G., *Sr. s* 96 Wall st.  
 Parsons, R. W., *Jr. a* 60 v.  
 Partridge, J. H., *Fr. a*  
 10 Ashmun st.  
 Paterson, S., *1 m* 341 Crown st.  
 Patterson, J. M., *Jr. a* 33 v.  
 Patterson, R. M., *Sr. a* 65 v.  
 Patton, W. M., *Instr.*  
 37 Lynwood st.  
 Payne, C. S., *Jr. l* 217 York st.  
 Payne, J. K., *Sr. l* 1044 Chapel st.  
 Payton, J. W., *Sr. a* 75 Broadway  
 Pearce, C. G., *Jr. a* 220 D.  
 Pearce, G. H., *Sr. l* 280½ Elm st.  
 Pearce, H., *Jr. s* 133 College st.  
 Pease, H. H., *Fr. s* 407 Temple st.  
 Peck, C. K., *Spec. s* 22 College st.  
 Peck, L. A., *Sr. a* 86 s. m.  
 Peck, R. C., *Sr. a* 100 N.  
 Peck, R. E., *Instr.* 56 Howe st.  
 Peck, T., *Prof.* 124 High st.  
 Peckham, W. H., *Fr. a*  
 238 York st.  
 Peirce, A. G., *So. a* 271 L.

- Peirce, P. S., *g* 22 Whalley av.  
 Pelton, V., *f* Middletown  
 Pendleton, C. E., Jr. *m* 388 Crown st.  
 Pendleton, F. D., Sr. *a* 73 s. m.  
 Penfield, S. L., *Prof.* (2 m.) 46 Mansfield st.  
 Penny, W. A., Jr. *a* 283 w.  
 Perkins, F. E., Jr. *s* 17 Hillhouse av.  
 Perkins, G. W., Fr. *s* 409 Temple st.  
 Perkins, J. D., Fr. *a* 568 P.  
 Perrin, B., *Prof.* (136 F.) 403 Whitney av.  
 Perry, A. S., Sr. *l* Fairfield  
 Perry, J. W., Jr. *s* 124 Wall st.  
 Perry, W. H., Jr. *a* 114 N.  
 Perry, W. W., *l m* 63 Prospect st.  
 Peter, J. J., Jr. *s* 117 Wall st.  
 Peters, C. A., *Ass't.* Kent Lab'y.  
 Peters, G. W., Fr. *s* 395 Temple st.  
 Peters, H. A., So. *a* 119 Wall st.  
 Peters, J. D., Sr. *a* 367 wh.  
 Peters, R., Sr. *d* 112 w. D.  
 Phelan, P. L., Fr. *s* 393 Temple st.  
 Phelps, B. J., So. *a* 332 Temple st.  
 Phelps, C. A., Jr. *l* 119 Park st.  
 Phelps, C. D., *Instr.* 472 Orange st.  
 Phelps, C. S., Jr. *s* 114 High st.  
 Phelps, E. J., *Prof.* 269 Humphrey st.  
 Phelps, H. B., *Clerk* 67 Dwight st.  
 Phelps, I. K., *Instr.* (Kent Lab'y.) 130 Howe st.  
 Phelps, W. I., Fr. *s* 130 Howe st.  
 Phelps, W. L., *Ass't. Prof.* (70 s. m.) 44 High st.  
 Phillips, A. W., *Prof.* (90 High st.) 209 York st.  
 Phillips, F. E., 2 *m* 10 Sylvan av.  
 Phillips, F. L., Fr. *s* 389 Orange st.  
 Phillips, I. G., So. *a* 152 F.  
 Phillips, J. C., Sr. *a* 109 N.  
 Phinney, L. G. E., *mus.* 313 York st.  
 Phipps, H. C., Fr. *s* 389 Orange st.  
 Pickands, J. M., So. *a* 22 College st.  
 Pickett, E. S., Jr. *l* 140 Sylvan av.  
 Pickett, J. C., Sr. *a* 86 s. m.  
 Pickett, S. B., *mus.* Seymour  
 Pidgeon, E. R., Sr. *a* 314 Crown st.  
 Pierce, B. A., Fr. *a* 584 P.  
 Pierce, H. W., So. *a* 67 w. D.  
 Pierpont, J., *Prof.* 357 Howard av.  
 Pierson, C. W., *Instr.* 120 Broadway, N. Y. City  
 Pike, R. A., Jr. *s* 789 Orange st.  
 Pike, W. K., *g* A  
 Pinkerman, H. C., Jr. *l* Bridgeport  
 Pirsson, L. V., *Prof.* (2 m.) 137 Wall st.  
 Pitcher, C. M., Fr. *a* 342 George st.  
 Pitkin, W. R., Sr. *l* 82 Wall st.  
 Pittelli, J. A., Jr. *l* 150 College st.  
 Pittinger, H. H., Sr. *s* 96 Wall st.  
 Pitts, H. C., Sr. *m* 123 York st.  
 Platt, A. E., *f* W. Haven  
 Platt, O. W., Jr. *l* Milford  
 Plummer, H. A., Fr. *a* 553 P.  
 Pomeroy, H. B., Fr. *a* 407 B.  
 Pond, L. B., So. *a* 142 F.  
 Porter, F. C., *Prof.* (11 E. D.) 266 Bradley st.  
 Porter, G. F., Fr. *a* 155 Elm st.  
 Porter, M., *mus.* 1335 Chapel st.  
 Porter, M. B., *Instr.* 4 University pl.  
 Porter, W. E., Sr. *s* 96 Wall st.  
 Porter, W. L., Sr. *a* 130 St. John st.  
 Potter, A. M., Fr. *s* 124 Wall st.  
 Potter, C., Jr. *a* 63 v.  
 Potter, H., Fr. *a* 561 P.  
 Potter, N. R., Fr. *s* 110 Wall st.  
 Potter, R., So. *a* 175 F.  
 Potwin, T. D., So. *a* 365 wh.  
 Powell, A. W., Sr. *l* 311 York st.  
 Powell, F. E., Jr. *s* 126 Wall st.  
 Powell, S. D., Jr. *a* 7 College st.  
 Poynter, H. M., Sr. *a* 375 wh.  
 Pratt, A., *g* Bridgeport  
 Pratt, C. F., Fr. *a* 231 York st.  
 Pratt, N. T., *l m* Bridgeport  
 Prentice, S. O., *Instr.* Hartford  
 Preston, H. L., Sr. *s* 109 Wall st.  
 Price, H. O., Sr. *a* 375 wh.  
 Price, W. B., Fr. *s* 291 York st.  
 Pritchard, R. A., So. *a* 259 L.  
 Pritchard, W. S., Jr. *a* 259 L.  
 Pulman, O. S., Sr. *a* 376 wh.  
 Punderford, J. C., Fr. *s* 17 Hillhouse av.  
 Purinton, C. O., Sr. *m* 1142 Chapel st.  
 Putnam, J. F., Fr. *a* 538 P.  
 Putnam, J. O., Fr. *a* 560 P.  
 Putnam, W. D., Fr. *s* 411 Temple st.  
 Quinby, A. A., So. *a* 271 L.  
 Quinby, F. L., Fr. *s* 17 Hillhouse av.  
 Quinlan, E. S., *mus.* 35 Lynwood st.

- Quinn, J. F., Sr. *m* 14 Anderson st.  
 Rall, H. F., Grad. *d* 42 E. D.  
 Ralph, P. H., Mid. *d* 4 Sylvan av.  
 Ralph, W. J. C., Mid. *d* 4 Sylvan av.  
 Ramsden, C. T., *g* A.  
 Rand, L. B., So. *a* 22 College st.  
 Rankin, H., Fr. *a* 173 F.  
 Rathbun, W. L., *i m* 388 Crown st.  
 Rawlins, W. T., Mid. *l* 64 High st.  
 Raymond, F. W., Jr. *d* 30 E. D.  
 Reynolds, E. V., *Instr.*  
 62 Trumbull st.  
 Read, H. H., Jr. *s* 90 Wall st.  
 Reed, E. B., *Tutor* 351 WH.  
 Reed, K. C., So. *a* 576 P.  
 Reeves, S. J., Fr. *s* 110 Wall st.  
 Reid, G. H., Jr. *s* 137 Wall st.  
 Reiley, E. B., Jr. *l* 297 George st.  
 Reilly, J. J., Fr. *a* 98 N.  
 Renshaw, F. W., Sr. *s* 111 Grove st.  
 Resor, S. B., Jr. *a* 138 F.  
 Reynolds, B., Fr. *s* 407 Temple st.  
 Reynolds, D., So. *a* 22 College st.  
 Reynolds, G. V., Jr. *a* 225 D.  
 Reynolds, H. M., *Prof.* 38 V.  
 Reynolds, H. S., So. *a* 22 College st.  
 Reynolds, J. W., Fr. *a* 543 P.  
 Rhoads, S. W., Fr. *a* 284 Crown st.  
 Rhoda, G. I., So. *a* 359 WH.  
 Rhodes, J. F., Fr. *a* 1151 Chapel st.  
 Rice, C. B., *Ass't.* 56 N. S. H.  
 Rice, E. C., Jr. *a* 68 V.  
 Rice, J. P., Sr. *a* 408 B.  
 Rice, M. W., Jr. *s* 124 Wall st.  
 Rich, F. R., *g* 65 Grove st.  
 Richards, A. E., *g* 90 Whalley av.  
 Richards, C. B., *Prof.*  
 (111 WINCH.) 137 Edwards st.  
 Richards, E. L., *Prof.*  
 (118 N.) 315 York st.  
 Richards, G. H., Fr. *a* 139 F.  
 Richards, H., Sr. *s* 111 Grove st.  
 Richards, I., Sr. *s* 111 Grove st.  
 Richards, M. E., *g*  
 137 Edwards st.  
 Richardson, A. H., Jr. *a*  
 Dwight Hall  
 Richardson, M. B., So. *a*  
 1076 Chapel st.  
 Richardson, O. H., *Ass't. Prof.*  
 384 Whitney av.  
 Richardson, R. R., Jr. *a* 326 W.  
 Ricker, W. G., Sr. *a* 153 F.  
 Riggs, P. S., Sr. *a* 72 S. M.  
 Rightmire, H. A., Fr. *a* 98 N.  
 Riley, E. B., Jr. *l* 297 George st.  
 Riley, K. P., *f* 281 Willow st.  
 Ripley, A. L., *Fellow*  
 Andover, Mass.  
 Ripley, J. A., *g* A.  
 Rising, H. R., Sr. *s* 101 Wall st.  
 Risley, E. H., So. *a* 218 D.  
 Rithet, J. A., Jr. *s* 1151 Chapel st.  
 Roach, S. G., Fr. *a* 250 York st.  
 Robbins, E. D., *Lecturer* Hartford  
 Robbins, F. O., *Instr.*  
 227 Sherman av.  
 Robbins, H. M., So. *a* 250 Crown st.  
 Roberts, C. A., So. *a* 41 High st.  
 Roberts, G., Fr. *a* 250 L.  
 Roberts, N. R., Fr. *s* 419 Temple st.  
 Roberts, P., *g* 48 E. D.  
 Roberts, R. T., Fr. *s* 8 Prospect pl.  
 Roberts, W., Res. Lic. *d*  
 238 Townsend av.  
 Roberts, W. F., So. *a* 22 College st.  
 Robertson, F. A., Mid. *l*  
 68 Mechanic st.  
 Robertson, F. M. C., Jr. *a* 348 WH.  
 Robertson, R. B., Sr. *a* 369 WH.  
 Robertson, T. M., Jr. *a* 240 D.  
 Robinson, C. P., Sr. *a* 56 V.  
 Robinson, E. L., *g* A.  
 Robinson, H. C., *Lecturer* Hartford  
 Robinson, H. H., *g* 333 York st.  
 Robinson, J. F. C., *g*  
 280 Winthrop av.  
 Robinson, J. J., *Instr.*  
 (9 Phelps) 183 Lawrence st.  
 Robinson, J. R., Fr. *a* 248 York st.  
 Robinson, M. H., *Ass't.*  
 522 Winthrop av.  
 Roby, L. L., Fr. *s* 419 Temple st.  
 Rockefeller, P. A., Sr. *a* 20 V.  
 Rockwell, E. A., *g* 281 Crown st.  
 Rogers, C., Fr. *a* 238 York st.  
 Rogers, C. E., Jr. *a* 249 L.  
 Rogers, H. A., So. *a* 75 Broadway  
 Rogers, H. P., So. *a* 324 W.  
 Rogers, R. E., Jr. *a* 1151 Chapel st.  
 Rogers, Z. E., *g* Meriden  
 Ronayne, F. J., *i m* Bridgeport  
 Roome, W. J., Fr. *a* 139 F.  
 Rooney, J. F., *2 m* 19 Sylvan av.  
 Root, B. F., Sr. *d* Bridgeport  
 Root, E. C., Sr. *a* 143 Edwards st.  
 Root, H. I., Fr. *a* 58 Grove st.  
 Root, R. K., *Instr.* 58 Grove st.

- Roraback, A. E., So. a 35 College st.  
 Roraback, J. C., Fr. a 35 College st.  
 Rosenberg, S. C., Sr. a 736 Orange st.  
 Rosenbluth, L. M., Jr. s 101 William st.  
 Rosenfeld, A. H., Sr. a 524 P.  
 Rosenthal, A. J., Fr. a 1076 Chapel st.  
 Ross, W. C., Sr. s 99 Wall st.  
 Rourke, G. W., Sr. l Meriden  
 Rowe, A. F., g 285 Willow st.  
 Rowell, C. F., Fr. a 1151 Chapel st.  
 Rowland, J. M., Spec. s 104 Wall st.  
 Rowland, W. E., Clerk (5 TR.) 212 Orchard st.  
 Rowley, R. L., i m 1079 Chapel st.  
 Rubsamen, F. R., Jr. s 107 Wall st.  
 Rudd, C. E., Jr. s 128 High st.  
 Ruggles, F. A., Sr. s 1151 Chapel st.  
 Rumsey, B. C., So. a 22 College st.  
 Rungee, E. J., Sr. s 5½ Redfield st.  
 Runk, L. B., g A.  
 Runyon, C. L., Fr. s 86 w. D.  
 Runyon, W. N., g A.  
 Rusher, J. D., Mid. l 64 High st.  
 Russ, C. C., So. a 537 P.  
 Russ, H. C., So. a 537 P.  
 Russell, E. S., f 143 College st.  
 Russell, F. H., Sr. a 148 F.  
 Russell, H. M., So. a 1076 Chapel st.  
 Russell, R., Sr. a 8 v.  
 Russell, S. L., Fr. s 409 Temple st.  
 Russell, Talcott H., Instr. (42 Church st.) 213 Wooster st.  
 Russell, Thomas H., Prof. 137 Elm st.  
 Russell, T. W., Jr. a 264 L.  
 Ryan, F. R., Jr. a 46 Lafayette st.  
 Ryan, R., So. a 516 Chapel st.  
 Ryerson, J. T., Jr. s 110 Wall st.  
 Ryle, J. F., 2 m 120 York st.  
 Ryno, C. M., Jr. m 333 York st.  
 St. John, S. B., Lecturer Hartford  
 Salter, M. J., g 66 Trumbull st.  
 Samson, C. F., So. a 22 College st.  
 Samuel, J. J., Jr. d 114 w. D.  
 Sanders, F. K., Prof. 235 Lawrence st.  
 Sanders, H. G., Sr. a 124 N.  
 Sanders, W. M., Ass't. 111 Grove st.  
 Sanderson, R. L., Instr. 3 Huntington st.  
 Sands, E. deN., Sr. s 133 College st.  
 Sanford, C. A., So. a 551 P.  
 Sanford, L. C., Ass't. 216 Crown st.  
 Sanford, S. S., Prof. (38 College st.) Bridgeport  
 Sanford, W. E., Jr. s 54 Chambers st.  
 Sanford, W. S., Sr. a 29 v.  
 Sargent, C. E., g 61 Grove st.  
 Sargent, Z., Fr. a 247 Church st.  
 Satterlee, H., So. a 250 Crown st.  
 Saulles, J. L. de, Fr. s 131 Grove st.  
 Sawyer, H. M., Fr. a 333 York st.  
 Saxe, M. W., Jr. l 123 Lafayette st.  
 Saxton, E. R., Jr. s 114 High st.  
 Sayre, L. A., Fr. a 248 L.  
 Sayward, E. A., Fr. s 411 Temple st.  
 Scanlan, J. J., So. a 40 Gregory st.  
 Schaefer, K. A., Fr. s 8 Prospect st.  
 Schell, O. H., Sr. s 117 Wall st.  
 Schenck, P. D., Spec. s 17 Hillhouse av.  
 Schermerhorn, J. L., Jr. s 37 Lynwood st.  
 Schley, C. B., Sr. s 22 College st.  
 Schley, K. B., Fr. s 387 Temple st.  
 Schley, R., Fr. a 582 P.  
 Schneeloch, R. H., 2 m 204 Elm st.  
 Schneider, A. F., Fr. s Montowese  
 Schneider, E. C., g 24 E. D.  
 Schoyer, W. E., Sr. a 344 WH.  
 Schroeder, W., Fr. a 170 York st.  
 Schultz, C. F. F., Jr. a 416 B.  
 Schultz, C. W., Fr. s 389 Temple st.  
 Schwab, G., So. a 551 P.  
 Schwab, J. C., Prof. (133 F.) 310 Prospect st.  
 Schwarz, E. H. Jr. s 114 High st.  
 Schweppe, R. J., Sr. a 379 WH.  
 Scott, W. P., Jr. a 26 v.  
 Scoville, C. O., g 162 Temple st.  
 Scoville, H., Jr. a 57 v.  
 Scripture, E. W., Instr. (109 Elm st.) 681 Orange st.  
 Scully, J. C., Fr. s 421 Temple st.  
 Seabury, W. B., Sr. a 13 v.  
 Searles, W. S., Fr. a 146 College st.  
 Seaver, J. W., Asso. Director (GYMN.) 25 Lynwood st.  
 Sellers, G. H., So. a 311 York st.  
 Senger, W., Jr. m 333 York st.  
 Senger, W. C., Sr. a 333 York st.

- Serles, F. R., Jr. *a* 149 F.  
 Seward, H. F., Sr. *a* 132 Bristol st.  
 Seymour, E. D., *f* 34 Hillhouse av.  
*Seymour, T. D., Prof.*  
 (22 Phelps) 34 Hillhouse av.  
 Seymour, W. E., Sr. *a* 66 v.  
 Shaffer, H., Sr. *a* 210 Prospect st.  
 Shannon, H. E., Sr. *l* Bridgeport  
*Sharp, G. M., Lecturer* Baltimore  
 Sharpe, A. H., 2 *m* GYM.  
 Shattuck, C. W., Sr. *l*  
 1151 Chapel st.  
 Shaw, H. P., Jr. *a* 128 N.  
 Shearin, H. G., *g* 335 George st.  
 Sheedy, G. F., 2 *m* Bridgeport  
 Sheehan, F. W., Mid. *l* W. Haven  
*Sheehan, W. J., Ass't.*  
 313 Howard av.  
 Shelby, G. C., Sr. *a* 85 s. M.  
 Sheldon, F. M., Mid. *l* 24 E. D.  
 Shepard, C. H., Jr. *s* 333 York st.  
*Shepard, W. K., Ass't.* 48 N. s. H.  
 Shepherd, G. M., Sr. *a* 237 York st.  
 Sheridan, S. S., *g* 519 Orange st.  
 Sherman, A. L., Sr. *a* 72 s. M.  
 Sherman, H. S., So. *a* 22 College st.  
 Sherrill, W. H., Sr. *a* 354 W. H.  
 Sherwood, F. A., Jr. *s* 99 Wall st.  
 Sherwood, O. T., *g* Southport  
*Shipman, N. Lecturer* Hartford  
 Shoninger, A. H., *mus.*  
 385 Orange st.  
 Shoninger, L. S., Sr. *s* 77 Wall st.  
 Shuart, H. A., Fr. *s* 413 Temple st.  
 Sibley, J., Jr. *d* 45 E. D.  
 Sidenberg, W. R., So. *a*  
 22 College st.  
 Sierck, W. S., Fr. *s* 425 Temple st.  
 Sikes, F. V., Sr. *a* 422 B.  
 Sikes, O. L., Jr. *s* 119 Park st.  
 Silverman, J. L., Jr. *a* 149 F.  
 Silverman, M., Jr. *s* 99 Wall st.  
 Simmons, G. W., Sr. *a* 7 v.  
 Simonds, R. M., So. *a* 237 York st.  
 Simpson, E. C., *g* 1404 Chapel st.  
 Sincerbeaux, F. H., So. *a* 418 B.  
 Skidmore, L. P., *f* Bridgeport  
 Skiff, N. M., Jr. *a* 66 w. D.  
 Skiff, S. E., *i* *m* 250 York st.  
 Skinner, E. L., So. *a* 22 College st.  
 Skinner, E. N., Sr. *s* 109 Wall st.  
 Skinner, N. D., 2 *m* 152 Grove st.  
 Slade, M., Jr. *l* 383 George st.  
 Sladen, F. J., So. *a* 222 D.  
 Slaght, W. E. A., Jr. *d* 34 E. D.  
 Smith, A. A., So. *a* 18 College st.  
 Smith, A. E., Jr. *s* 17 Hillhouse av.  
 Smith, B., *g* 47 Lake pl.  
 Smith, B. C., *g* A.  
 Smith, Bayard M., Jr. *s*  
 111 Grove st.  
 Smith, Brockholst M., Fr. *a*  
 1076 Chapel st.  
*Smith, C. H., Prof.*  
 (243 L.) 284 Orange st.  
 Smith, C. R., *mus.* 219 Columbus av.  
 Smith, C. W., So. *a* 142 F.  
 Smith, Daniel S., Jr. *s* 133 Wall st.  
 Smith, David S., Sr. *a* 10 v.  
 Smith, E. D., Grad. *m* 159 Elm st.  
 Smith, E. J., Sr. *s* 61 w. D.  
 Smith, E. W., Jr. *a* 321 W.  
 Smith, G. Arthur, Fr. *a*  
 231 York st.  
 Smith, G. M., Jr. *a* 368 W. H.  
*Smith, H. E., Prof.*  
 (25 Med. School) 430 George st.  
 Smith, H. P., Sr. *a* 155 F.  
 Smith, H. R., Sr. *a* 350 W. H.  
 Smith, H. W., So. *a* 61 w. D.  
*Smith, J. S., Librarian*  
 (LIBR.) 257 St. Ronan st.  
 Smith, J. T., Jr. *l* 66 Putnam st.  
 Smith, K., So. *a* 163 F.  
 Smith, L. W., Fr. *a* 249 Crown st.  
 Smith, M. G., *f* North Haven  
*Smith, P. F., Ass't. Prof.*  
 318 Humphrey st.  
 Smith, P. L., Jr. *s* 8 Prospect pl.  
 Smith, R. S., Fr. *a* 94 s. M.  
*Smith, S. I., Prof.*  
 (78 B. L.) 147 Whalley av.  
 Smith, S. L., So. *a* 1076 Chapel st.  
 Smith, W. B. W., Fr. *a*  
 287 York st.  
*Smyth, N., Fellow* New Haven  
 Smyth, N. A., Sr. *l* 328 Temple st.  
*Sneath, E. H., Prof.*  
 285 Whitney av.  
 Snitjer, E. N., Sr. *s* 119 Wall st.  
 Snow, N. L., Fr. *s* 409 Temple st.  
 Snyder, C. W., Sr. *m* 47 E. D.  
 Somers, L. H., Fr. *a* 57 w. D.  
 SooySmith, K. C., Fr. *s*  
 387 Temple st.  
 Spaenkuck, A., *f* North Haven  
 Spaford, J. A., Sr. *l* Bridgeport  
 Spalding, K., So. *a* 69 v.

- Spalding, R. A., Sr. *a* 34 v.  
 Spalding, W. A., *Demonstrator*  
     9 High st.  
 Spear, F. M., So. *a* 233 D.  
 Spears, C. B., Sr. *a* 47 v.  
 Speer, H., Sr. *a* 108 N.  
 Speidel, J. W., Sr. *s* 103 Wall st.  
 Spencer, R. A., So. *a* 420 B.  
 Spencer, R. S., Jr. *a* 253 L.  
 Spencer, R. V., Jr. *a* 420 B.  
 Sperry, F. N., *Ass't.* 76 Wooster st.  
 Sperry, L. P., Fr. *s* 110 Wall st.  
 Spicer, C., *mus.* Groton  
 Spier, L. M., Jr. *a* 19 v.  
 Spier, S. L., I *m* 140 Lawrence st.  
 Spinello, M. J., *g* 13 Warren st.  
 Spitzer, L. S., So. *a* 390 B.  
 Spreyer, C. C., Sr. *l* 38 Elliott st.  
 Sprigg, C. C., Jr. *s* 109 Wall st.  
 Stack, T., Sr. *a* 116 N.  
 Stackman, C., Mid. *d* 22 E. D.  
 Standish, F. B., I *m* Meriden  
 Stanley, E., Fr. *s* 413 Temple st.  
 Stanley, F. C., *g* Bridgeport  
 Stanley, W. K., Sr. *l* 1151 Chapel st.  
 Stansfield, G. E., So. *a* 59 Prospect st.  
 Stanton, J. B., Sr. *d* 215 Edgewood av.  
 Stapleton, R. P., Mid. *l* 126 High st.  
 Starkweather, G. P., *Instr.*  
     344 Cedar st.  
 Starne, C. A., Sr. *a* 22 v.  
 Starr, C. C., Sr. *s* 120 College st.  
 Stauffer, F. R., Fr. *a* 238 York st.  
 Stearns, R., Fr. *s* 120 High st.  
 Stearns, T. C., *Instr.* Westport  
 Stebbins, E. A., So. *a* 22 College st.  
 Steele, P., So. *a* 230 D.  
 Stephanove, C. D., *g* 105 Broadway  
 Stephenson, H. L., Fr. *s* 333 York st.  
 Sterling, P., Sr. *s* 90 Wall st.  
 Stern, H. R., Fr. *a* 226 York st.  
 Stern, M. A., So. *a* 558 P.  
 Stetson, C., Sr. *a* 39 v.  
 Stetson, P. R., Jr. *m* 38 Jewell st.  
 Stevens, A. H., *g* A.  
 Stevens, E. W., Sr. *s* 143 College st.  
 Stevens, F. W., Sr. *m* 165 York st.  
 Stevens, G. B., *Prof.* A.  
 Stevens, Henry G., Fr. *s* 389 Temple st.  
 Stevens, Howard G., I *m* 276 Orange st.  
 Stevens, J. H., Fr. *a* 231 York st.  
 Stevenson, J. McA., Fr. *a* 556 P.  
 Stevenson, R., Sr. *a* 41 v.  
 Stewart, L. H., Sr. *m* 88 Wall st.  
 Stickney, W. A., Jr. *a* 44 v.  
 Stiles, E. C., *g* West Haven  
 Stillman, E. A., Fr. *s* 114 High st.  
 Stillman, G. S., Jr. *a* 320 W.  
 Stillman, R. G., Fr. *a* 472 Orange st.  
 Stillman, W. M., Fr. *s* 104 High st.  
 Stocking, J. T., Mid. *d* 27 E. D.  
 Stoddard, H. B., So. *a* 274 L.  
 Stoeckel, G. J., *Prof.* Norfolk  
 Stokes, A. P., *Secretary*  
     32 Lawr. Cambridge, Mass  
 Stoll, C. H., Fr. *a* 108 High st.  
 Stone, C. E., *g* A.  
 Stone, M. A., Sr. *a* 303 W.  
 Stone, S. H., So. *a* 383 B.  
 Stookey, L. B., Sr. *a* 182 LYC.  
 Storrs, C. L., Mid. *d* 98 W. D.  
 Stoskopf, W. B., Sr. *a* 13 v.  
 Stowe, H. D., Sr. *s* 57 Grove st.  
 Straus, E. E., Jr. *a* 201 D.  
 Street, D. P., Fr. *s* 393 Temple st.  
 Streit, G., Jr. *m* S. Quinnipiac st.  
 Strobridge, W., Sr. *s* 117 Wall st.  
 Stromquist, K. E., *g* 59 Prospect st.  
 Strong, E. A., Sr. *s* 133 College st.  
 Strong, F. H., So. *a* 222 D.  
 Strong, J. P., *Clerk*  
     (5 TR.) 222 Sherman av.  
 Strong, L. P., Fr. *s* 128 High st.  
 Strong, P., Jr. *a* 15 E. D.  
 Strong, T. R., Fr. *a* 235 D.  
 Strong, W. M., *Tutor* 307 W.  
 Strouse, L. H., Sr. *s* 143 St. John st.  
 Struby, F. W., Jr. *a* 1076 Chapel st.  
 Sturges, R., So. *a* 22 College st.  
 Sturgis, S. C., *g* 25 High st.  
 Sturgis, T., Fr. *a* 552 P.  
 Sullivan, C. C., *g* Bridgeport  
 Sullivan, C. E., Sr. *a* 378 W.H.  
 Sullivan, E. T., Jr. *l* 536 Crown st.  
 Sullivan, J. B., Fr. 337 Columbus av.  
 Sullivan, J. M., Jr. *l* 256 State st.  
 Sullivan, R. B., Sr. *s* 111 Grove st.  
 Sumner, W. G., *Prof.* 140 Edwards st.  
 Sutphin, S. B., Fr. *a* 566 P.  
 Swain, H. L., *Prof.* 232 York st.  
 Swan, J. R., So. *a* 22 College st.  
 Swan, T. W., Sr. *a* 317 W.

- Swann, W. M., Mid. *d* 44 E. D.  
 Swartz, C. C., Sr. *a* 309 W.  
 Sweeney, M., *g* 97 Dwight st.  
 Sweinhart, H. L., So. *a* 127 Dwight st.  
 Swenarton, W. H., Sr. *s* 117 Wall st.  
 Swenson, A. C., 2 *m* 383 George st.  
 Swenson, J. N., Jr. *l* 59 Prospect st.  
 Sykes, G. E., Fr. *a* 250 Crown st.  
 Symes, J. F., Sr. *s* 131 Grove st.  
 Symington, W. C., Fr. *s* 147 Bradley st.  
 Taber, J., So. *a* 594 P.  
 Taft, H., Sr. *a* 41 V.  
 Taintor, C. M., Jr. *s* 110 Wall st.  
 Taintor, J. S., Jr. *a* 220 D.  
 Talbot, H. R., Fr. *s* 133 College st.  
 Talcott, C. D., So. *a* 143 F.  
 Talcott, L. H., So. *a* 158 F.  
 Talcott, M. G., So. *a* 158 F.  
 Talmage, J. F., *g* A.  
 Tarbell, H. A., Sr. *m* 1124 Chapel st.  
 Tarr, L. M., *g* 156 Whalley av.  
 Tatum, E. H., Sr. *a* 325 W.  
 Taylor, A. M., So. *a* 406 B.  
 Taylor, E. G., Ass't. (15 WH.) Hartford  
 Taylor, E. L., Jr. *s* 133 Wall st.  
 Taylor, H. C., Fr. *a* 88 Park st.  
 Taylor, H. F., Jr. *a* 101 W. D.  
 Taylor, R. L., Instr. 67 Mansfield st.  
 Taylor, W. H., Fr. *a* 122 N.  
 Taylor, W. J., *g* 133 Dixwell av.  
 Taylor, W. T., Fr. *s* 114 High st.  
 Taylor, W. V., Sr. *a* 343 WH.  
 Taylor, W. W., Sr. *s* 22 College st.  
 Teel, B. G., So. *a* 74 S. M.  
 Teller, H. B., Jr. *l* 159 York st.  
 Teller, W. R., So. *a* 1076 Chapel st.  
 Temple, J. H., Jr. *l* 1151 Chapel st.  
 Ten Broeck, R., Fr. *s* 128 Wall st.  
 Tennant, G. B., Sr. *a* 103 N.  
 Tenney, J. F., So. *a* 146 F.  
 Terriberry, W. K., Fr. *a* 333 York st.  
 Terry, C. T., Jr. *a* 97 N.  
 Terry, D. W., *g* 88 Lake pl.  
 Tewksbury, L. B., So. *a* 280 Elm st.  
 Thacher, H. C., So. *a* 91 Park st.  
 Thacher, R. H., Fr. *a* 226 York st.  
 Thacher, T., Lecturer 120 E. 35th st., N. Y. City  
 Thaw, W., Jr. *s* 17 Hillhouse av.  
 Thayer, W. B., Fr. *s* 409 Temple st.  
 Thibault, L. J., Sr. *m* 528 Chapel st.  
 Thomas, A. A., Jr. *a* 255 L.  
 Thomas, C. A., Jr. *a* 113 N.  
 Thomas, D. O., Sr. *a* 202 D.  
 Thomas, E. B., Fr. *s* 107 Wall st.  
 Thomas, H. F., Fr. *a* 238 York st.  
 Thomas, J. B., Fr. *a* 1076 Chapel st.  
 Thomas, J. H., Jr. *a* 257 L.  
 Thomas, L. H., Fr. *s* 107 Wall st.  
 Thomas, L. M., Jr. *a* 50 V.  
 Thomas, R. W., Sr. *a* 182 LYC.  
 Thomas, T. G., Fr. *a* 575 P.  
 Thompson, C. B., Sr. *a* 227 D.  
 Thompson, C. S., So. *a* 127 N.  
 Thompson, D., Fr. *a* 242 York st.  
 Thompson, E. N. S., Sr. *a* 127 N.  
 Thompson, E. P., Jr. *a* 205 D.  
 Thompson, E. V., Fr. *a* 1151 Chapel st.  
 Thompson, H. D., Mid. *l* 102 Orange st.  
 Thompson, J. L., *f* 281 Crown st.  
 Thompson, P., Jr. *a* 131 F.  
 Thomsen, L., Jr. *d* 28 E. D.  
 Thomson, G. J., Fr. *a* 25 High st.  
 Thorn, C., *g* 318 Orange st.  
 Thorpe, W. P., Sr. *a* 528 P.  
 Thorstenberg, E., *g* 59 Prospect st.  
 Tiffany, C. L., Sr. *a* 382 WH.  
 Tillinghast, E. M., *g* 364 Mansfield st.  
 Tillinghast, R. B., So. *a* 132 F.  
 Tillitt, M. H., Jr. *a* 411 B.  
 Tillson, G. R., Fr. *a* 237 York st.  
 Tilson, J. O., Steward 550 P.  
 Tilton, A. C., *g* 1151 Chapel st.  
 Tinker, C. B., Ass't. 36 E. D.  
 Tobin, J. O., Jr. *l* 1151 Chapel st.  
 Todd, E. J., *g* 494 State st.  
 Tolles, B. I., Jr. *a* 364 Orchard st.  
 Tompkins, H. W., So. *a* 277 Crown st.  
 Tomlinson, J. C., Jr. *a* 23 V.  
 Toothe, E. S., So. *s* 96 Wall st.  
 Torrance, D., Prof. Derby  
 Town, W. O., Res. Lic. *d* 123 Columbus av.  
 Townsend, E. P., Fr. *a* 238 York st.  
 Townsend, J. M., Lecturer 318 W. 75th st., N. Y. City  
 Townsend, W. K., Prof. 148 Grove st.  
 Townshend, H. H., Mid. *l* 234 Church st.



- Townshend, R., Sr. *s* 133 College st.  
 Tracy, E. B., *g* 55 Dwight st.  
*Tracy, J. C., Instr.* (127 WINCH.) 55 Dwight pl.  
 Tracy, R. G., Sr. *m* 216 Cedar st.  
 Tracy, W. E., Sr. *a* 309 w.  
 Treadway, C. T., Sr. *a* 27 v.  
 Tredway, E. E., Jr. *a* 131 F.  
 Trenholm, A. LeS., Fr. *a* 217 York st.  
 Trench, W. I., Fr. *s* Grand Ave. Heights  
 Trinkaus, G. J., *mus.* Bridgeport  
*Troostwyk, I., Instr.* 11 Park st.  
 Troup, P., Jr. *s* 545 Orange st.  
 Troutman, B. D., Sr. *l* 74 Lake pl.  
 Trowbridge, M., So. *a* 232 D.  
 Troxell, T. N., So. *a* 22 College st.  
 True, J. M., Fr. *a* 92 s. M.  
 Truett, E. P., Fr. *a* 224 D.  
 Trumbull, J. F., Fr. *s* 132 Wall st.  
 Tucker, R. DeF., *g* 419 Temple st.  
 Tucker, W. G., So. *a* 523 P.  
 Tulin, A., Fr. *a* 22 Ashmun st.  
 Tully, F. W., Jr. *l* 1151 Chapel st.  
 Turley, L. F., Jr. *l* 135 Howe st.  
 Turney, L. F., 2 *m* Derby  
 Tuttle, C. B., Sr. *a* 30 v.  
 Tuttle, E. H., Jr. *a* 134 F.  
 Tuttle, L., Jr. *a* 134 F.  
 Twachtman, J. A., *f* 83 Grove st.  
 Tweedy, R. L., Sr. *a* 49 v.  
 Twichell, B. P., Jr. *a* 178 LYC.  
*Twichell, J. H., Fellow* Hartford  
 Twichell, R. C., Sr. *a* 3 v.  
 Twining, K., Jr. *a* 335 WH.  
 Tyler, C. H., Sr. *l* 64 Center st.  
 Tyler, E. F., *f* 33 College st.  
*Tyler, M. F., Treasurer* (5 TR.) 33 College st.  
 Tyler, R. P., Jr. *a* 34 College st.  
 Tyler, W. B., Fr. *a* 34 College st.  
 Ufford, M. M., *g* 343 Orange st.  
 Ulrich, A. S., Jr. *l* 549 Howard av.  
 Underhill, F. P., Sr. *s* 57 Prospect st.  
 Underwood, A. G., Sr. *s* 117 Wall st.  
 Upham, W. H., Sr. *s* Meriden  
 Urban, G. P., Jr. *s* 99 Wall st.  
 Utley, F. B., Fr. *a* 176 F.  
 Vaile, E. O., Jr. *a* 259 L.  
 Valentine, J. A., So. *a* 1151 Chapel st.  
*Valentine, W., Instr.* 162 s. L.  
 VanBuren, A. W., Sr. *a* 261 Orange st.  
 VanDenburg, J. K., *g* Orange  
 Vanderbilt, R. C., So. *a* 31 v.  
 Vander Poel, S. O., Fr. *a* 242 York st.  
 Vandeveer, F. L., Sr. *l* 59 Prospect st.  
 Vandeveer, H. D., Jr. *l* 59 Prospect st.  
 VanderVeer, A., Sr. *a* 35 v.  
 Van Deventer, H. B., Fr. *a* 329 w.  
 VanDyke, D., Fr. *a* 248 York st.  
 VanDyke, L., Sr. *a* 209 D.  
 VanFleet, J. R., Fr. *s* 397 Temple st.  
*Van Name, A., Librarian* (LIBR.) 121 High st.  
 VanName, R. G., *g* 121 High st.  
 Van Tassel, E. S., Fr. *a* 242 York st.  
 VanVechten, F. R., Jr. *s* 17 Hillhouse av.  
 VanVoast, R. A., Sr. *s* 114 High st.  
 VanVredenburgh, R. V., Sr. *s* 17 Hillhouse av.  
 VanWicklen, F. M., Jr. *a* 245 L.  
 Veader, H., *f* 284 Orange st.  
*Verdi, W. F., Ass't.* 172 St. John st.  
*Verrill, A. E., Prof.* (15 M.) 86 Whalley av.  
 Verrill, L. L., *f* 86 Whalley av.  
 Viele, D., So. *a* 330 w.  
 Vietor, C. L., Sr. *s* 101 Wall st.  
 Vincent, W. G., Sr. *m* 333 York st.  
 Vogeler, W. J., Sr. *a* 12 v.  
 von Dorster, H. R., Jr. *l* 1044 Chapel st.  
 Waddell, L. D., Jr. *s* 131 Grove st.  
 Wade, J. A., Mid. *d* 87 w. D.  
 Wade, J. H., Jr. *s* 133 College st.  
 Wadhams, R. P., Fr. *s* 204 Crown st.  
 Wadhams, N. S., Sr. *m* 204 Crown st.  
 Wadsworth, J. T., Jr. *a* 63 v.  
 Wagar, A., Fr. *a* 237 York st.  
 Wagner, C. P., *g* 204 Crown st.  
 Wahlig, F. J., Jr. *s* Shelton  
 Wait, J. R., Fr. *a* 1151 Chapel st.  
 Waite, E. G., Jr. *s* 114 High st.  
 Wakamatsu, C., Spec. *s* 16 Gill st.  
 Walbridge, W. K., Fr. *s* 110 Wall st.  
 Walcott, D. L., Jr. *a* 83 s. M.  
 Walcott, P. C., Sr. *a* 87 s. M.  
 Waldron, W. D., Fr. *a* 120 N.

- Walker, C. H., *g* 97 Whitney av.  
 Walker, E., *Sr. a* 405 B.  
 Walker, E. M., *Sr. s* 162 York st.  
 Walker, J. F., *Fr. a* 224 D.  
 Walker, J. H., *So. a* 99 N.  
 Walker, R. W., *Fr. a* 401 B.  
 Walker, W. B., *Fr. a* 223 D.  
 Wallace, H. M., *Fr. a* 250 York st.  
 Wallace, H. S., *Jr. a* 178 LVC.  
 Wallace, T. J., *Mid. l* 1151 Chapel st.  
 Wallace, W. F., *Fr. a* 233 York st.  
 Wallbridge, W. K., *Fr. s* 110 Wall st.  
 Wallin, J. E. W., *g* 88 George st.  
 Walsh, M., *f* New Britain  
 Walsh, R. W., *Jr. a* 323 W.  
 Walton, L. F., *So. a* 212 D.  
 Walworth, G. C., *Sr. a* 339 WH.  
 Ward, E. P., *Sr. a* 17 V.  
 Ward, G. B., *So. a* 159 F.  
 Ward, H. E., *Jr. a* 251 L.  
 Waring, A. J., *Fr. a* 407 B.  
 Warmoth, F. S., *Jr. s* 1 Hillhouse av.  
 Warner, A. W., *Fr. a* 154 Bradley st.  
 Warner, B. B., *mus.* 163 Washington st.  
 Warner, E. G., *2 m* Hamden  
 Warner, G. P., *Fr. a* 155 Elm st.  
 Warner, H. B., *Jr. l* 402 Crown st.  
 Warner, I. H., *Fr. a* 98 N.  
 Warner, W. A., *So. a* 92 S. M.  
 Warren, C. H., *Instr.* 57 N. S. H.  
 Warren, W. H., *Jr. a* 239 D.  
 Warrin, R. H., *Jr. s* 128 High st.  
 Warrin, R. O., *Jr. s* 128 High st.  
 Washington, G. A., *Fr. a* 542 P.  
 Waterman, C. B., *Jr. a* 1 V.  
 Waters, H. G., *So. a* 167 F.  
 Watrous, E., *Jr. l* 107 Whitney av.  
 Watrous, G. D., *Prof.* (153 Church st.) 261 Bradley st.  
 Watson, C. L., *Fr. s* 114 High st.  
 Watson, E. P., *Mid. l* 1151 Chapel st.  
 Watson, G. A., *Fr. s* 114 High st.  
 Watson, T., *Sr. a* 56 V.  
 Wattles, W. P., *Jr. a* 262 L.  
 Watts, J. M., *Sr. s* 120 College st.  
 Wayland, F., *Dean* (11 Law School) 175 Whitney av.  
 Wear, A. Y., *So. a* 22 College st.  
 Wear, J. H., *Jr. a* 225 D.  
 Weaver, H. A., *g* 65 Spring st.  
 Weaver, L. S., *Sr. a* 1142 Chapel st.  
 Webb, A. M., *Jr. a* 251 L.  
 Webb, J. H., *Instr.* 42 Church st.  
 Weber, W., *Sr. d* 460 Congress av.  
 Webster, B., *Fr. a* 159 Elm st.  
 Webster, E. F., *Fr. a* 136 Sherman av.  
 Webster, H. A., *Sr. s* 17 Hillhouse av.  
 Weeks, C. E., *Sr. a* 371 WH.  
 Weeks, H. T., *Jr. a* 78 S. M.  
 Weeks, W. R., *So. a* 295 York st.  
 Weichert, R. F., *Sr. a* 91 S. M.  
 Weir, J. F., *Prof.* (9 Art School) 58 Trumbull st.  
 Weiss, J., *Mid. d* 31 E. D.  
 Weiss, W. H., *Sr. a* 119 N.  
 Welch, A. R., *Jr. s* 77 Wall st.  
 Welch, B. A., *So. a* 312 W.  
 Welch, G. A., *Jr. a* 256 L.  
 Welch, P. H., *So. a* 587 P.  
 Weller, C. H., *g* 17 Parmelee av.  
 Welles, A. T., *Jr. s* 372 George st.  
 Wells, B., *Jr. s* 99 Wall st.  
 Wells, C. W., *Instr.* (15 WH.) 203 Lawrence st.  
 Wells, E. E., *mus.* Bridgeport  
 Wells, E. H., *Asst.* (32 Law School) 72 Mansfield st.  
 Wells, F. A., *mus.* Wallingford  
 Wells, H. F., *So. a* 165 F.  
 Wells, H. H., *Sr. a* 107 N.  
 Wells, H. L., *Prof.* (151 S. L.) 57 Trumbull st.  
 Wells, P. P., *Libr.* (32 Law School) 72 Mansfield st.  
 Wells, R. O., *Jr. a* 247 L.  
 Welsh, J. J., *So. a* 145 F.  
 Wenck, F. A., *Jr. l* GYMN.  
 Wendel, D. J., *Mid. l* 237 York st.  
 Wenner, G. U., *Fr. a* 1044 Chapel st.  
 Wescott, E. P., *Fr. a* 263 L.  
 Wescott, H. D., *Jr. a* 263 L.  
 Wessel, H. A., *So. a* 1076 Chapel st.  
 Westfall, W. D. A., *Jr. a* 591 P.  
 Westlund, J., *Instr.* 218 Mansfield st.  
 Weston, S. A., *Sr. a* 360 WH.  
 Weston, W. B., *Fr. a* 333 York st.  
 Wetmore, A. H., *f* 281 Willow st.  
 Wetmore, M. N., *g* A.  
 Whaples, H. H., *Jr. a* 321 W.  
 Wheeler, A. L., *Tutor* 81 Cottage st.  
 Wheeler, A. M., *Prof.* (207 D.) 86 Trumbull st.

*Wheeler, Albert S., Instr.*

Hotel Davenport

Wheeler, A. Stanley, So. a 205 D.

Wheeler, F. M., Jr. a 262 L.

*Wheeler, H. L., Ass't. Prof.*

317 Crown st.

Wheeler, J. E., Sr. s 117 Wall st.

*Wheeler, L. P., Ass't.* 333 York st.

Wheeler, M. L., I m 250 York st.

Whipple, G. H., Sr. a 124 N.

Whitcomb, A. M., mus. 5 Gilbert av.

Whitcomb, E. R., Fr. a 248 York st.

Whitcomb, W. A., g A.

White, C. D., So. a 250 Cedar st.

White, C. T., Jr. a 165 York st.

White, D., Jr. s 133 Wall st.

White, E. M., mus. 4½ Garden st.

White, G. B., Sr. s 118 College st.

White, G. L., Jr. a 1151 Chapel st.

White, H. S., Fr. a 526 P.

White, J. E., Spec. s 22 College st.

White, J. R., Fr. a 248 York st.

*White, M. C., Prof.* 214 Crown st.

White, O. W., Jr. a 151 F.

White, P. G., So. a 22 College st.

White, R. H., Jr. d 113 W. D.

White, R. S., Jr. l 196 Lawrence st.

White, W. H., Sr. s 96 Wall st.

White, W. O., Fr. a 248 York st.

Whitely, M. J., Jr. s 17 Hillhouse av.

Whitley, J. E., Sr. d 2 E. D.

Whitman, C. H., g 139 Dwight st.

Whitmore, J., g 147 Bradley st.

Whitney, F. E., Jr. s 8 Ashmun st.

Whitney, J. L., Jr. a 344 Elm st.

Whitney, L., Fr. s 387 Temple st.

Whitney, M. P., g 227 Church st.

Whittelsey, D. I., Jr. s 131 Grove st.

Whittemore, E. M., Fr. a 277 Crown st.

Whittlesey, F. A., So. a 58 W. D.

Whittlesey, G. N., Sr. a 338 W. H.

Whittlesey, W. S., Fr. a Franklin st.

Wiard, O. M., Jr. a 125 N.

Wick, A. T., Fr. s 39 College st.

Wickenden, T. L., Fr. s 150 College st.

Wickersham, J. H., Jr. s 117 Wall st.

Wickes, H. P., Sr. a 121 N.

Wickwire, T. H., Fr. a 1076 Chapel st.

Wieland, G. R., g 58 Mansfield st.

Wilcox, C. S., mus. Morris Cove

Wild, J. G., Jr. s 103 Wall st.

Wilder, A. P., Jr. s 111 Grove st.

Wilder, F. L., Jr. l Bridgeport

Wilhelmi, F. W., Fr. a 250 York st.

Williams, A. C., Sr. a 402 B.

Williams, A. S., Jr. a 221 D.

*Williams, F. W., Instr.*

135 Whitney av.

Williams, H. G., Sr. a 374 W. H.

*Williams, H. S., Prof.*

(6 M.) 282 Prospect st.

Williams, J. G., Sr. m 165 York st.

Williams, J. T., Sr. s 99 Wall st.

Williams, L. A., Fr. a 177 F.

Williams, T. H., Fr. s 391 Temple st.

Williams, W. B., Sr. a 65 V.

Williams, W. K., Sr. a 164 F.

Williams, W. M., Jr. l 472 Orange st.

Williamson, C. E., Jr. l 276 Orange st.

Willing, M. S., So. a 22 College st.

Willis, O. J., Fr. a 130 Howe st.

Willms, J. H., Grad. l 1151 Chapel st.

Wilson, B., Jr. a 326 W.

Wilson, C. H., Sr. a 358 W. H.

Wilson, E. Barnes, Jr. a 236 D.

Wilson, E. Bidwell, g 117 W. D.

Wilson, R. B., Jr. a 2 V.

Wilson, V., Spec. s 285 York st.

Wilson, W. R., Mid. l 1151 Chapel st.

Wimpfheimer, L. A., Fr. s 126 Wall st.

Winch, W. L., Fr. a 333 York st.

Wing, W. G., Fr. a 522 P.

Winter, K., Sr. a 48 V.

Winters, F. H., Sr. a 47 V.

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*Wolodarsky, M., Instr.*

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Wood, C. D., Sr. s 111 Grove st.

Wood, H. P., Sr. a 11 V.

Wood, R. G., g 39 Lynwood st.

Wood, S. M., Sr. a 35 V.

Wood, W. B., Fr. a 170 York st.

Woodhouse, S. D., So. a 233 D.

- Woodman, H. S., Fr. *a* 68 Trumbull st.  
 Woodruff, C. H., Jr. *s* 96 Wall st.  
 Woodruff, J. E., Fr. *a* 242 York st.  
 Woodworth, A. V., Sr. *d* 325 Sherman av.  
 Woolsey, C. B., Jr. *a* 349 W.H.  
 Woolsey, T. S., Prof. 226 Church st.  
 Woolsey, T. S., Jr. *a* 304 w.  
 Wooster, M. E., *f* Bridgeport  
 Work, G. S., Fr. *a* 250 York st.  
 Wright, A. L., *g* 128 York st.  
 Wright, A. P., Jr. *a* 266 L.  
 Wright, A. W., Prof. (Sloane Lab.) 73 York sq.  
 Wright, B. M., Res. Lic. *d* Orange  
 Wright, H. B., Sec'y. Dwight Hall  
 Wright, H. H., Jr. *l* 111 York st.  
 Wright, H. P., Prof. (135 Elm st.) 128 York st.  
 Wright, J., So. *a* 228 D.  
 Wright, R. R., Jr. *s* 99 Wall st.  
 Wright, W. H., Sr. *m* 47 E. D.  
 Wright-Clark, J. J., Fr. *s* 90 Wall st.  
 Wrinn, F. W., 2 *m* 76 Washington av.  
 Wurts, J., Prof. 9 Trumbull st.  
 Wyler, J. S., Jr. *a* 315 w.  
 Wylie, J. N. M., Sr. *a* 108 High st.  
 Yaggy, A. F., Jr. *a* 57 v.  
 Yamaguchi, M., Res. Lic. *d* 99 w. D.  
 Yamaguchi, S., *g* 115 Elm st.  
 Yamaguchi, Y., *g* 351 Washington st.  
 Yokoyama, M., *g* 119 Park st.  
 Young, A. J., Jr. *a* 314 w.  
 Yung, B. G., So. *a* 214 D.  
 Zahm, G., Sr. *l* 276 Elm st.  
 Zellhoefer, H. C., Sr. *a* 54 v.  
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